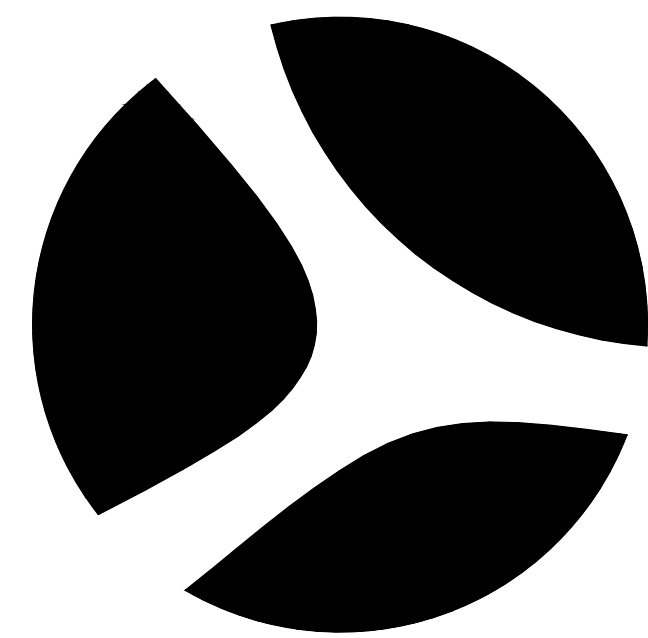
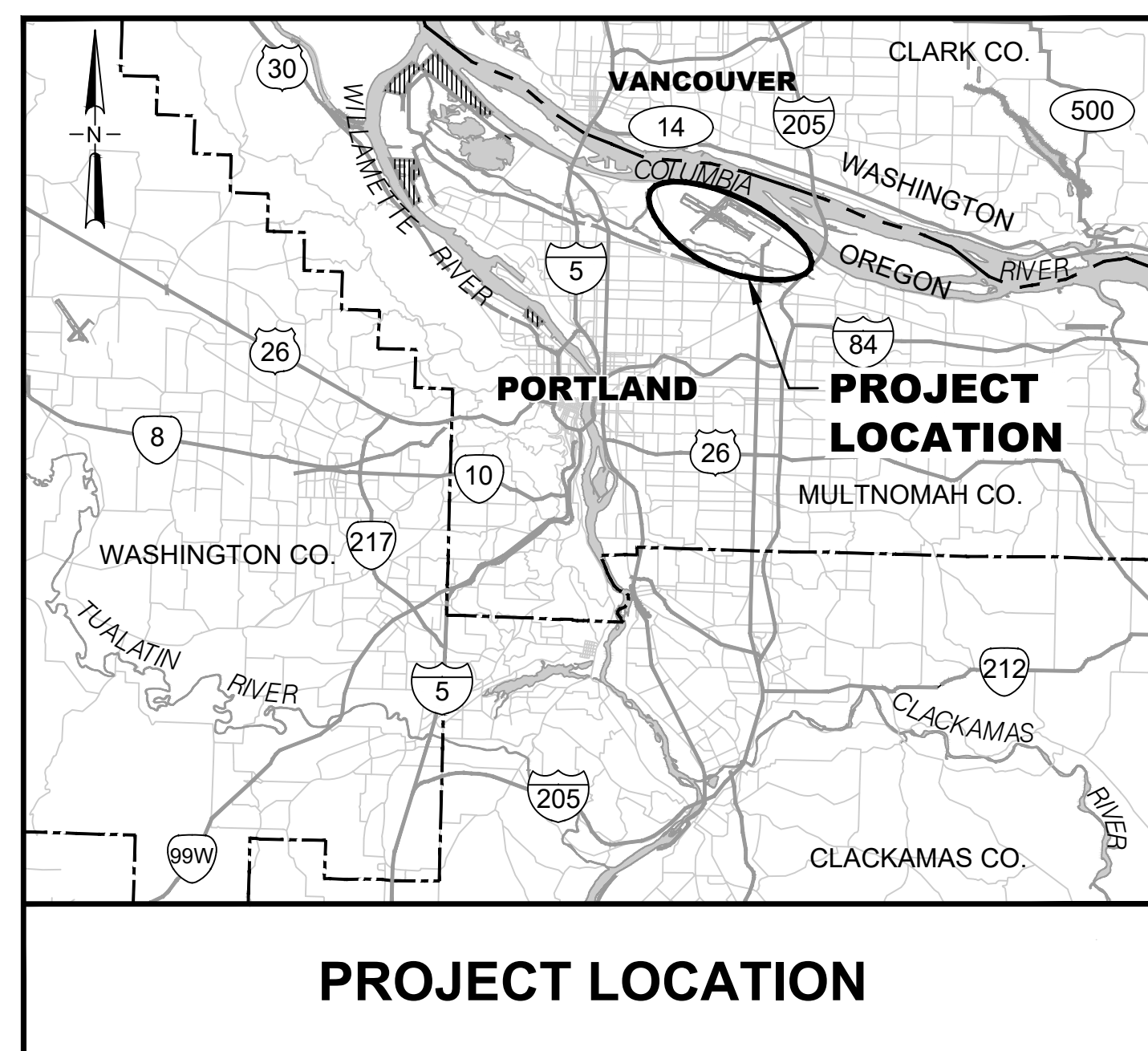




Port of Portland

PORTLAND INTERNATIONAL AIRPORT

CONCOURSE D ALL-USER RESTROOM



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PORT OF PORTLAND COMMISSION

KATY COBA - PRESIDENT
RICHELLE LUTHER - VICE PRESIDENT
KETAN SAMPAT - SECRETARY
KATHERINE LAM - TREASURER
RUKAIYAH ADAMS
MIKE DEVAUGHN
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
PAN #

2026D012
EAN #

PDX 2026-516
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.

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2026D012 103101
DESIGN NUMBER PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

CONCOURSE D ALL-USER RESTROOM

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 2026-516
DISC. SHT. NO.		GI.01



— DRAWING SCALE

DRAWING IDENTIFICATION

SHEET IDENTIFICATION

DRAWING IDENTIFICATION

SHEET IDENTIFICATION

DRAWING IDENTIFICATION
SHEET IDENTIFICATION

— SHEET IDENTIFICATION

— GRID/COLUM LINE

LEVEL IDENTIFICATION
LEVEL ELEVATION

— SHEET NUMBER

- SHEET NUMBER

NORTH ARROW

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

ACT	ACOUSTIC CEILING TILE	(N)
AFF	ABOVE FINISH FLOOR	N.I.C
B.O.	BOTTOM OF	NO
B.O.R.S	BOTTOM OF REFLECTIVE SURFACE	N.T.S
C.L.	CENTER LINE	O.C.
CLR	CLEAR	OSOI
CONC.	CONCRETE	OSCI
COORD.	COORDINATE	PLYWD
CSCI	CONTRACTOR SUPPLIED CONTRACTOR INSTALLED	RCP
DEMO	DEMOLISH	REV
DIM.	DIMENSION	RM.
(E)	EXISTING	R.O.
ELEV.	ELEVATION	SIM.
FIN.	FINISH	SS
FOF	FACE OF FINISH	T.O.
FT.	FOOT	TYP.
GWB	GYPSUM WALL BOARD	U.N.O.
HDW.	HARDWARE	V.I.F.
H.M.	HOLLOW METAL	VFVI
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
V.FVI	VENDOR FURNISHED VENDOR INSTALLED

[illegible]

 Port of Portland	
 mwa architects	
2026D012 DESIGN NUMBER	103101 PROJECT NUMBER

	PORTLAND INTERNATIONAL AIRPORT
	CONCOURSE D ALL-USER RESTROOM
	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 2026-516		DISC. SHT. NO. GI.04



CONCOURSE E

D2646, —
D2647
SEE A3.00

MAIN
TERMINAL

CONCOURSE C

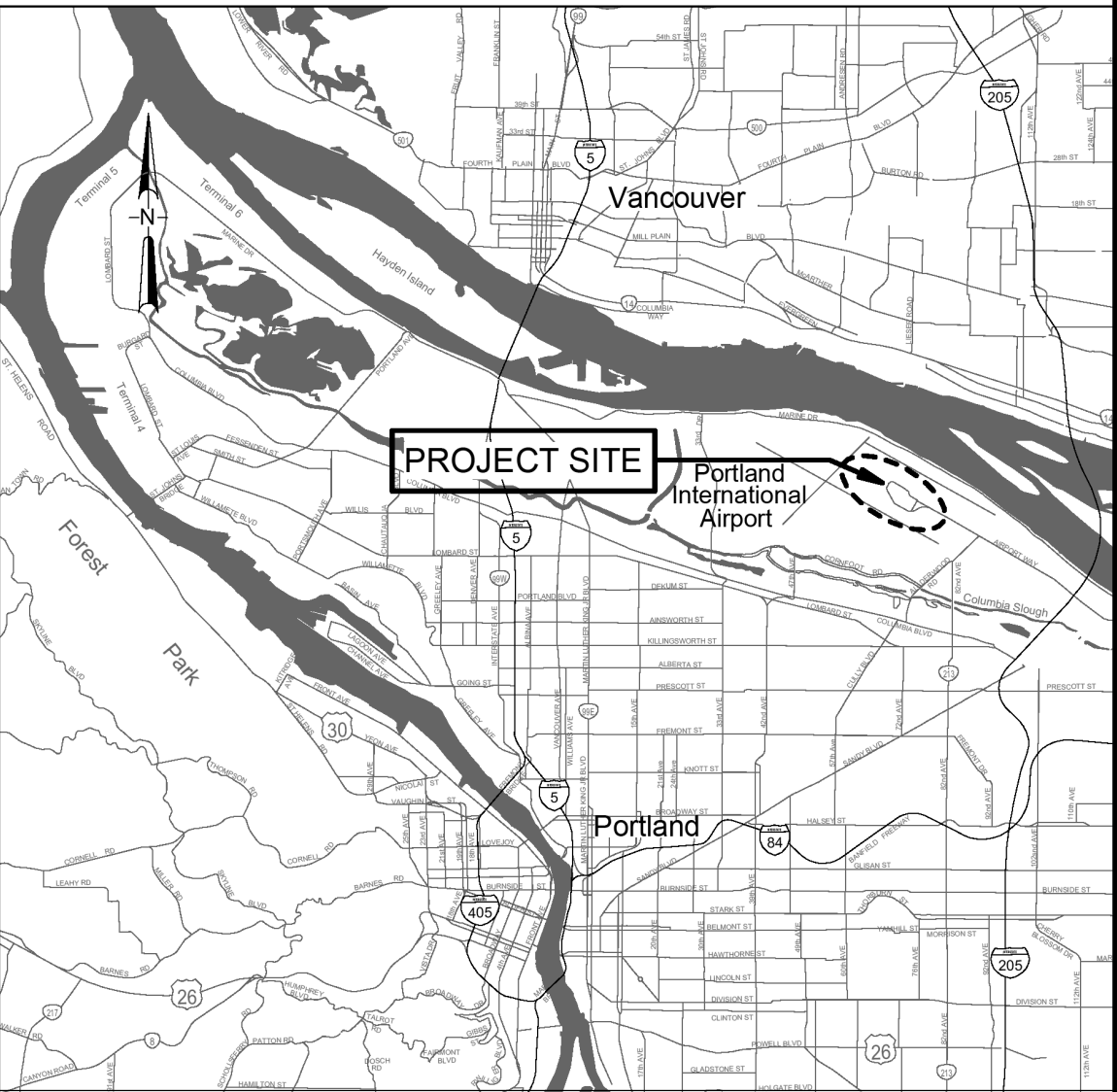
CONCOURSE B

OVERALL PLAN - ENPLANING LEVEL

SCALE: N.T.S.

- CONSTRUCTION PHASING NOTES:

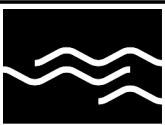
1. STAGING SUBJECT TO PORT DISCRETION. CONTRACTOR TO COORDINATE WITH PORT INSPECTORS.
2. SCHEDULE: SEE DIVISION 1 FOR WORK AREA RESTRICTIONS SUMMARY.
3. RESTROOMS D2646/2647 & D2221/2222/2223 CAN NOT BE CLOSED FOR CONSTRUCTION AT THE SAME TIME



VICINITY MAP

SCALE: N.T.S.

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 2026-516		DISC. SHT. NO. G1.06



mwa architects

2026D012

103101
PROJECT NUMBER

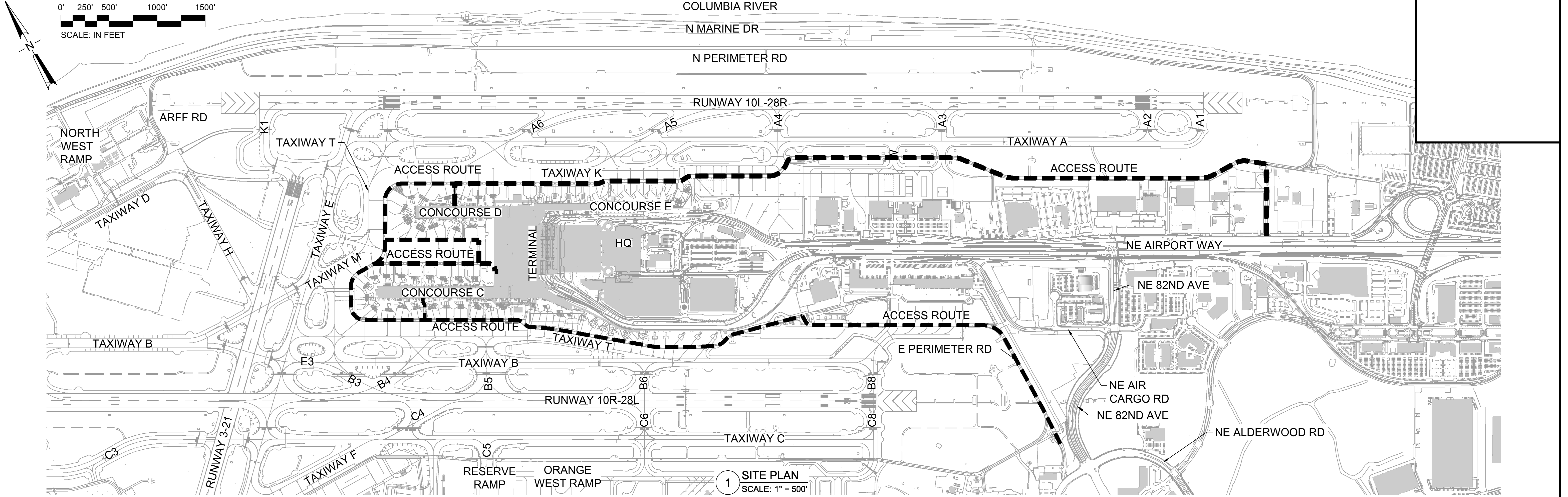
CONCOURSE D ALL-USER RESTROOM

VICINITY MAP AND PHASING PLAN



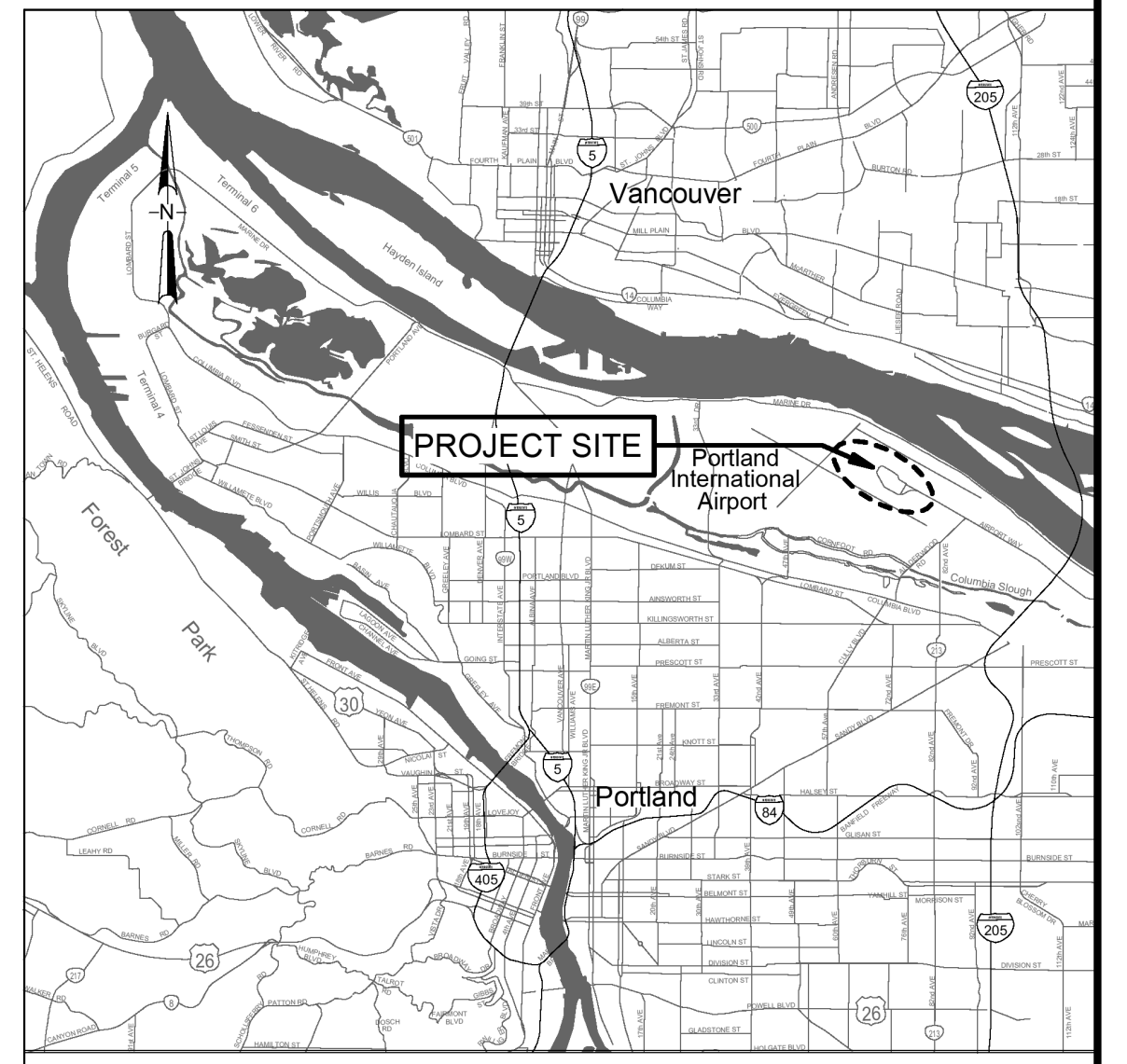
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.

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



1 SITE PLAN
SCALE: 1" = 500'

LEGEND
--- HAUL ROUTE



VICINITY MAP
SCALE: N.T.S.

NO.	DATE	BY	REVISIONS	NO.	DATE	BY	REVISIONS
1				2			
3				4			
5				6			
7				8			
9				10			
11				12			
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99				100			



2026D012
DESIGN NUMBER

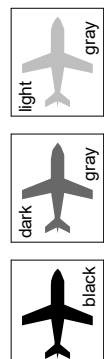
103101
PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT		SUBMITTED BY	BRIAN FRANCIS
CONCOURSE D ALL-USER RESTROOM		DESIGNED BY	A. COOK
HAUL ROUTE EXHIBIT		DRAWN BY	M. PHILLIPS
		CHECKED BY	J. ROOT
		DATE	JULY 2026
		SHEET NO.	4
		TYPE	CD
		DISC. SHT. NO.	
		PDX 2026-516	GI.07

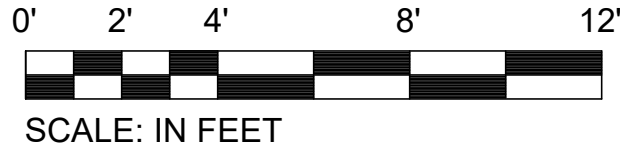
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 Port of Portland		 mwa architects	 mwa architects
 mwa architects			
2026D012 DESIGN NUMBER	103101 PROJECT NUMBER		

PORTLAND INTERNATIONAL AIRPORT CONCOURSE D ALL-USER RESTROOM 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 2026-516	DISC. SHT. NO. A0.01

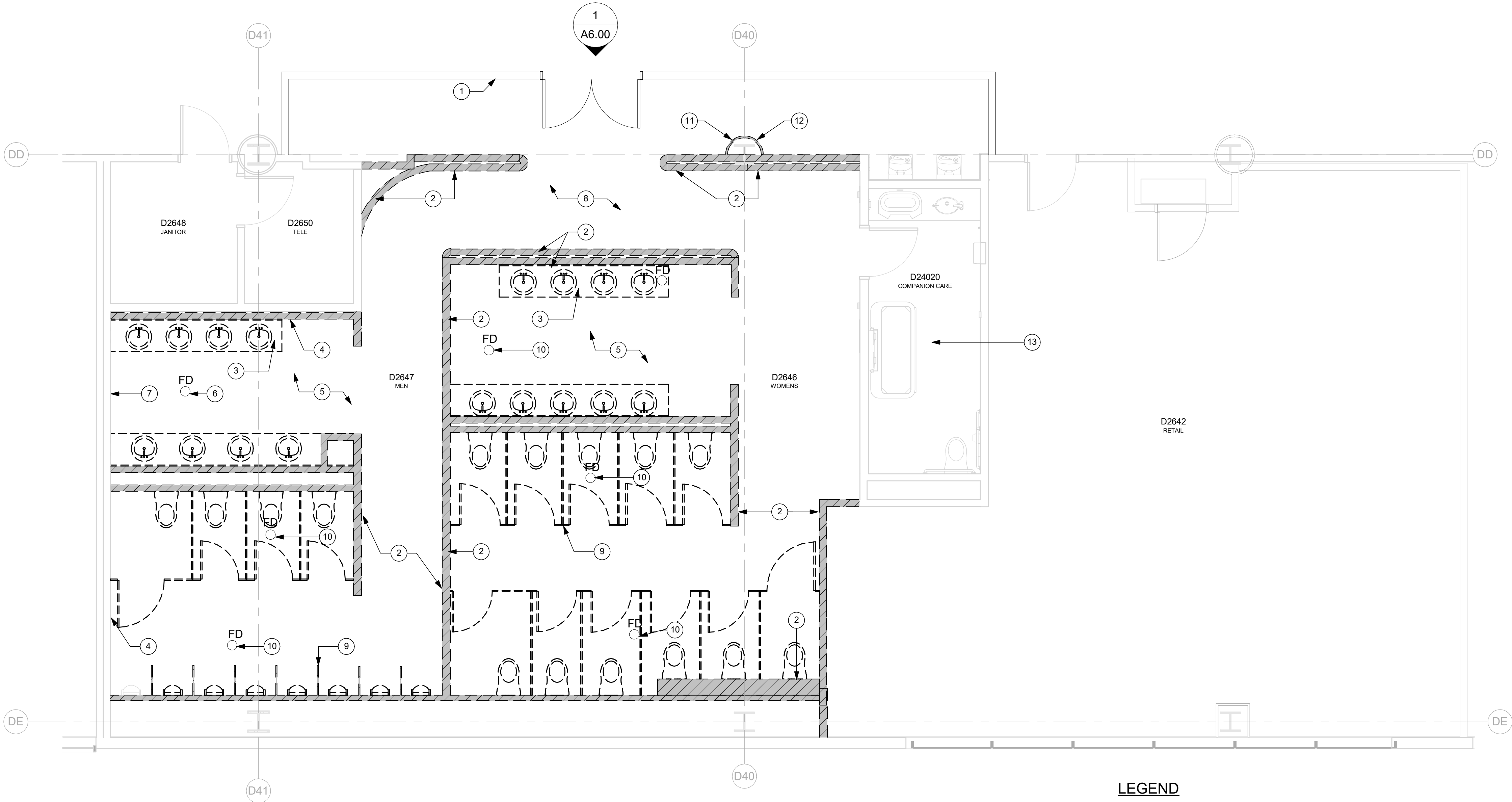


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SCALE: IN FEET

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



NOTES

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

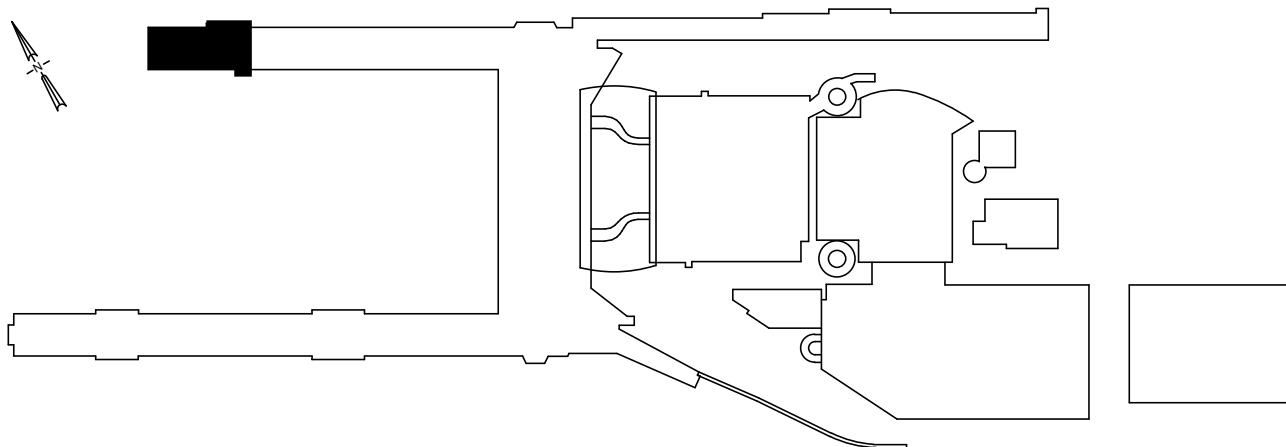
KEYNOTES

- TEMPORARY BARRICADE WALL. COORDINATE WALL TYPE, CONNECTIONS, EXTENTS, AND KEYING W/ THE PORT
- DEMO (E) WALL
- DEMO (E) LAVATORY COUNTER TOP AND MIRRORS
- DEMO (E) WALL FINISH, TILE BACKER, AND GWB TYP. PREPARE FOR NEW SUBSTRATES ACCORDING TO FINISH SCHEDULE
- DEMO (E) FLOOR TILE AND WALL BASE, PREPARE SUBSTRATE TO RECIEVE NEW FLOORING AND BASE PER SCHEDULE, TYP
- DEMO (E) FLOOR DRAIN COVER - REMOVE GRATE AND PREPARE FOR NEW, COORDINATE WITH PLUMBING
- DEMO ALL (E) RESTROOM ACCESSORIES
- DEMO (E) CARPET IN AREA OF WORK AND COORDINATE WITH PORT ON EXTENTS OF REMOVAL
- DEMO ALL (E) TOLIET AND URINAL PARTITIONS, TYP
- DEMO (E) FLOOR DRAIN AND INFILL SLAB
- DEMO (E) COLUMN COVER
- (E) FIRE ALARM STROBE/SPEAKER TO BE RELOCATED
- FUTURE WORK BY OTHERS

LEGEND

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

KEY PLAN



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

Port of Portland



mwa architects

2026D012
DESIGN NUMBER

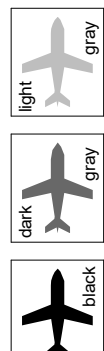
103101
PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

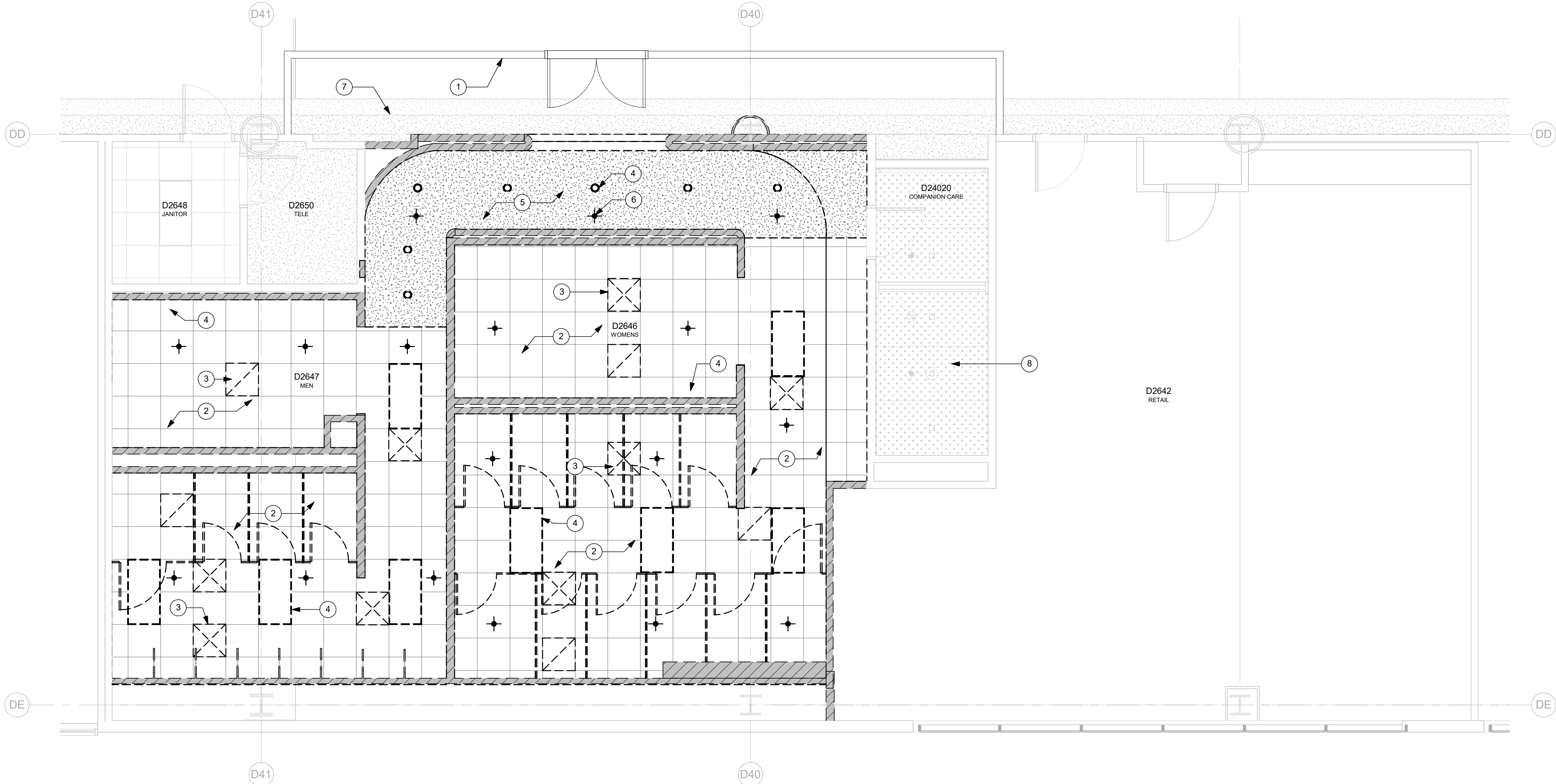
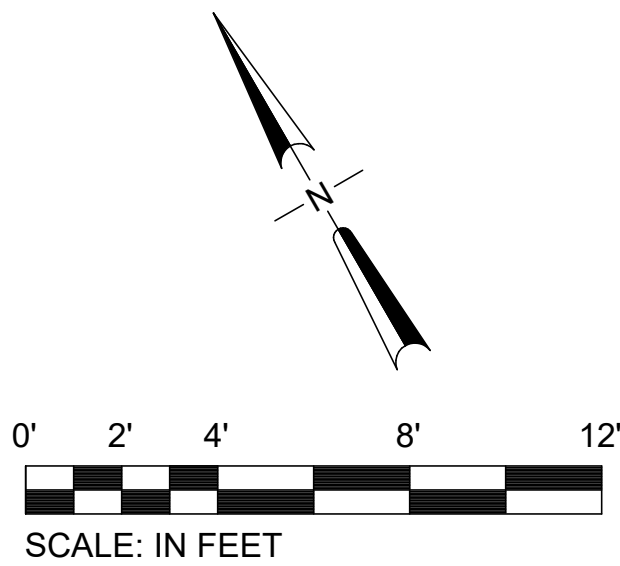
CONCURSE D ALL-USER RESTROOM

CONCURSE D - SECTOR 3 - D2646, D2647 - 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
DISC. SHT. NO.	A1.00



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



NOTES

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

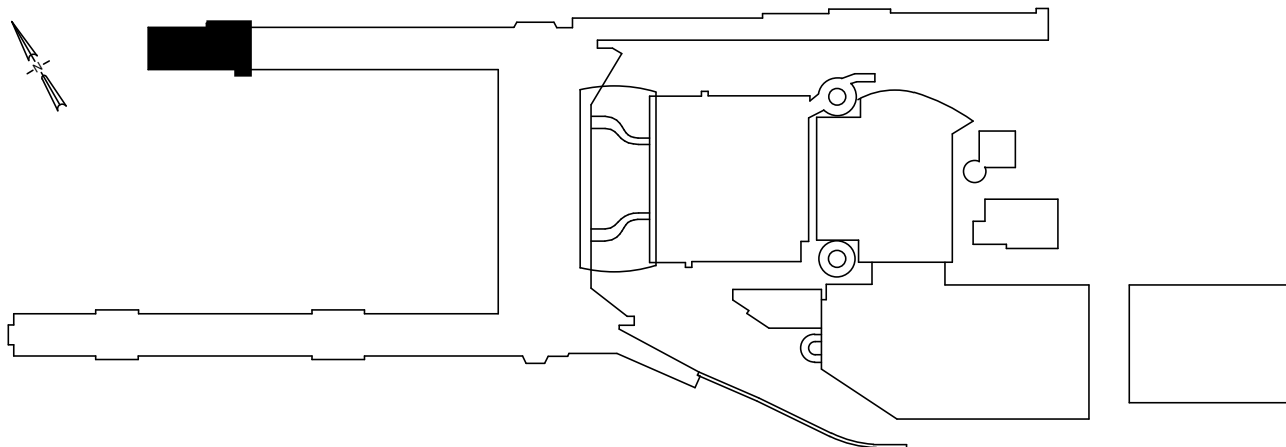
KEYNOTES

- TEMPORARY BARRICADE WALL. COORDINATE WALL TYPE, CONNECTIONS, EXTENTS, AND KEYING W/ THE PORT
- DEMO (E) SUSPENDED GRID CEILING
- DEMO (E) MECHANICAL SUPPLY AND RETURNS
- DEMO (E) LIGHTING
- DEMO (E) VENEER PLASTER CEILING
- DEMO (E) SPRINKLER HEADS
- (E) MECHANICAL SOFFIT TO REMAIN
- FUTURE WORK BY OTHERS

LEGEND

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

KEY PLAN



1 CONCURSE D - SECTOR 3 - D2646, D2647 - ENPLANING - DEMO RCP
SCALE: 1/4" = 1'-0"

Port of Portland



mwa architects

2026D012
DESIGN NUMBER

103101
PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

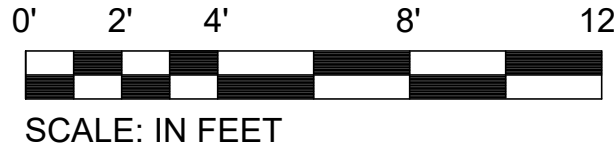
CONCURSE D ALL-USER RESTROOM

CONCURSE D - SECTOR 3 - D2646, D2647 - ENPLANING - DEMO RCP

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 2026-516		DISC. SHT. NO. A2.00

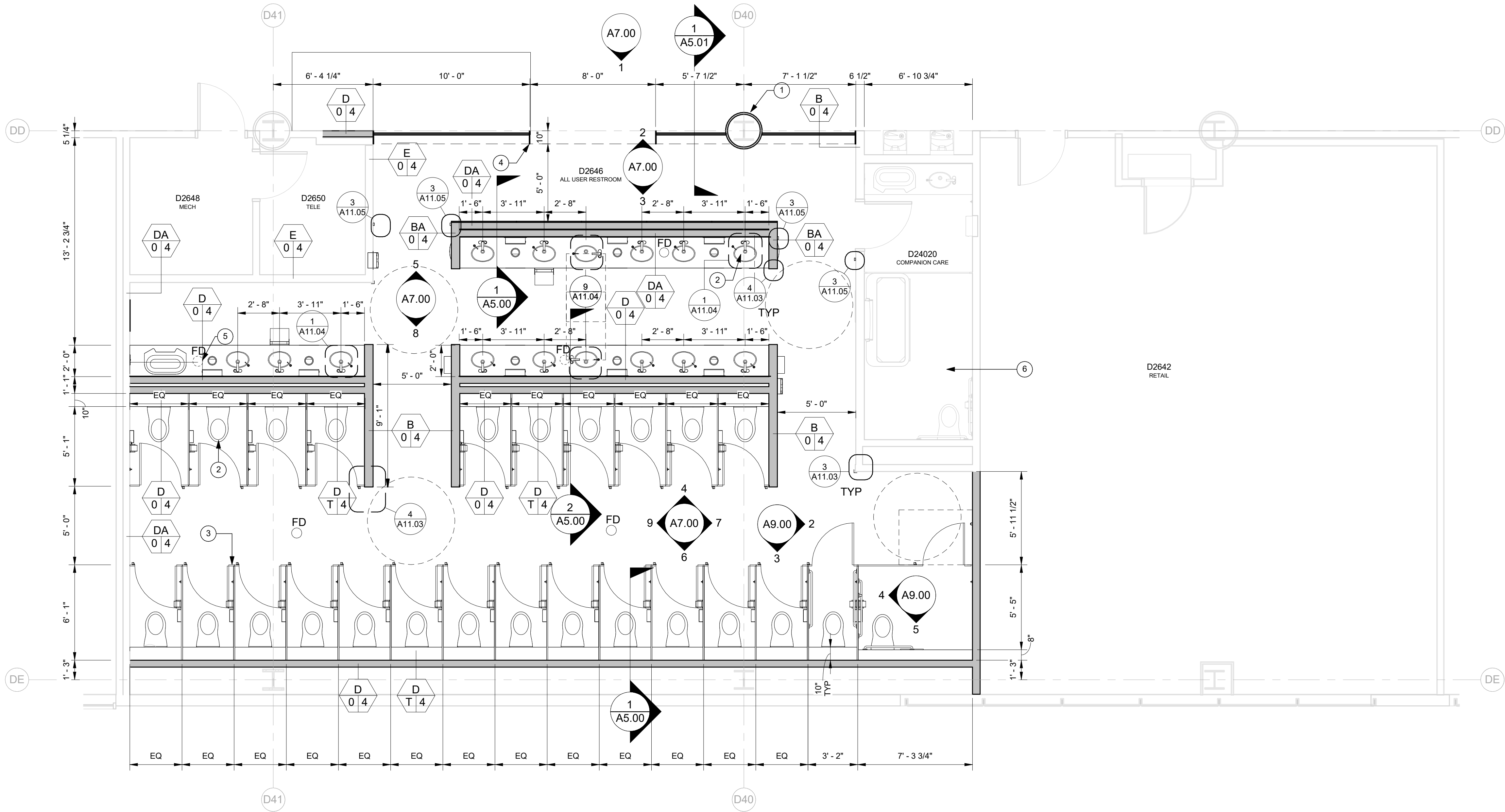


CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



SCALE: IN FEET

PLUMBING FIXTURE COUNT TOTAL		
FIXTURE TYPE	EXISTING	NEW TOTAL PROVIDED
WC	8 URINALS MEN, 4 WC MEN, 11 WC WOMEN, 1 UNISEX	26 UNISEX
LAV	8 MEN, 9 WOMEN	16 UNISEX
DF	2	2



1 CONCURSE D - SECTOR 3 - D2646 - ENPLANING - FLOOR PLAN
SCALE: 1/4" = 1'-0"

NOTES

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

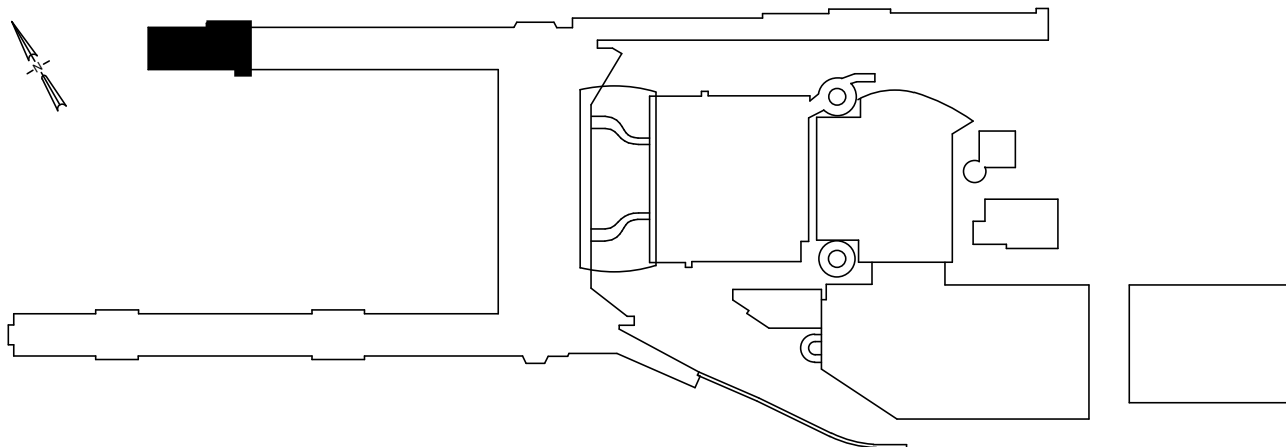
KEYNOTES

- (N) COLUMN COVER TO MATCH EXISTING
- (N) PLUMBING FIXTURES, TYP
- TOILET COMPARTMENT, TC3
- SS PLATE AT JAMBS AND ACROSS HEAD OF OPENING, DM1
- (E) FLOOR DRAIN TO BE RECOVERED
- FUTURE WORK BY OTHERS

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



Port of Portland



mwa architects

2026D012
DESIGN NUMBER

103101
PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

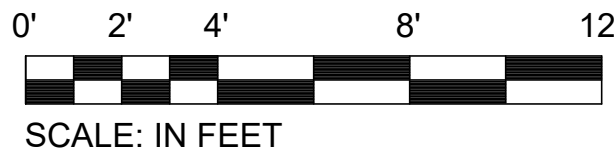
CONCURSE D ALL-USER RESTROOM

CONCURSE D - SECTOR 3 - D2646 - ENPLANING - FLOOR PLAN

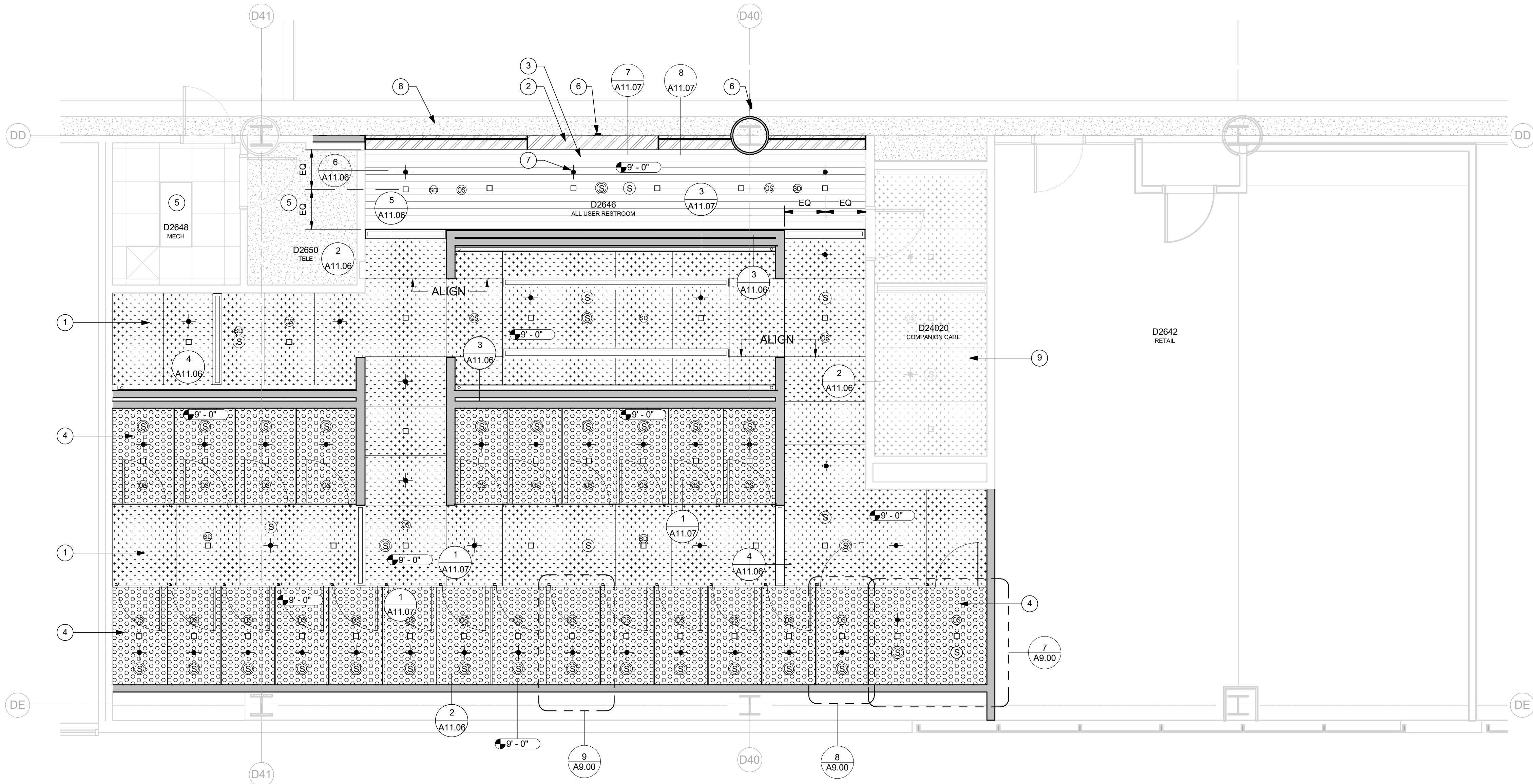
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	8
DRAWING NO.	PDX 2026-516
TYPE	CD
DISC. SHT. NO.	A3.00



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.



SCALE: IN FEET



NOTES

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

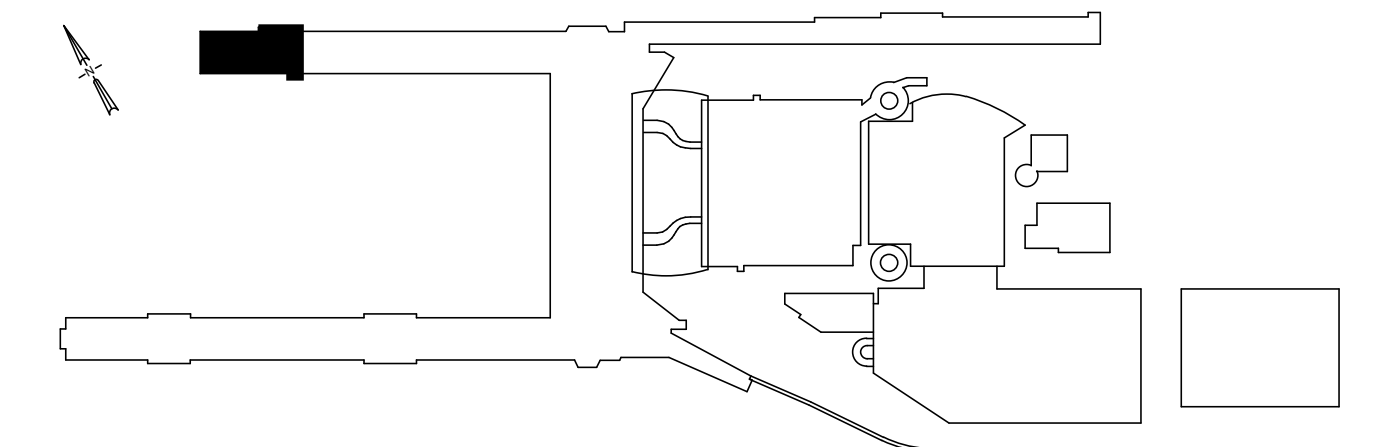
KEYNOTES

- (N) CONCEALED GRID ACOUSTIC METAL CEILING, AMC3
- SS PLATE AT JAMBS AND ACROSS HEAD OF OPENING, DM1
- (N) LINEAR WOOD CEILING, LWC1
- (N) CONCEALED GRID ACOUSTIC METAL CEILING, AMC6
- (E) CEILING TO REMAIN
- (N) SIGNAGE
- (N) SPRINKLER HEAD
- (E) SOFFIT TO REMAIN
- FUTURE WORK BY OTHERS

LEGEND

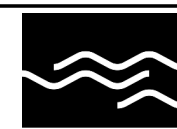
- | | | | |
|--|-------------------------------|--|--------------------|
| | ACCESS PANEL | | OCCUPANCY SENSOR |
| | LIGHT FIXTURES | | SMOKE DETECTOR |
| | MECH DIFFUSER OR RETURN | | SPEAKER |
| | LINEAR WOOD CEILING (LWC1) | | STROBE |
| | VENEER PLASTER CEILING/SOFFIT | | CEILING HEIGHT |
| | ACOUSTIC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

KEY PLAN



1 CONCURSE D - SECTOR 3 - D2646 - ENPLANING - RCP
SCALE: 1/4" = 1'-0"

Port of Portland



mwa architects

2026D012
DESIGN NUMBER

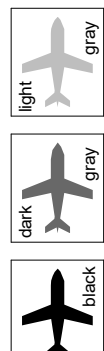
103101
PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

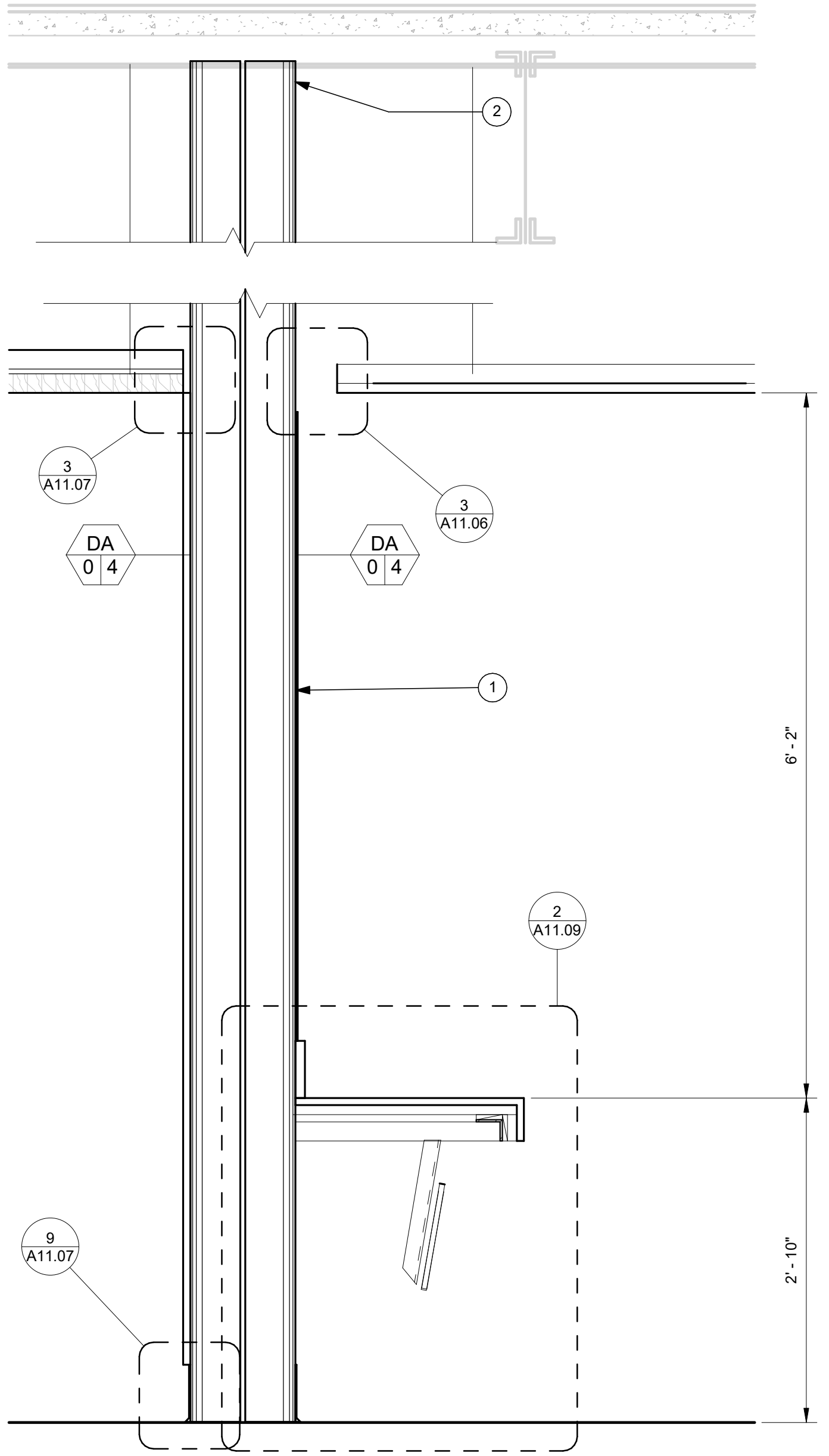
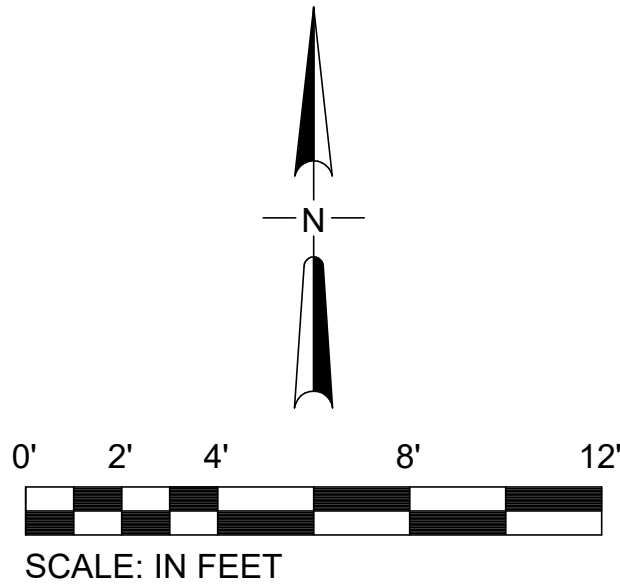
CONCURSE D ALL-USER RESTROOM

CONCURSE D - SECTOR 3 - D2646 - ENPLANING - RCP

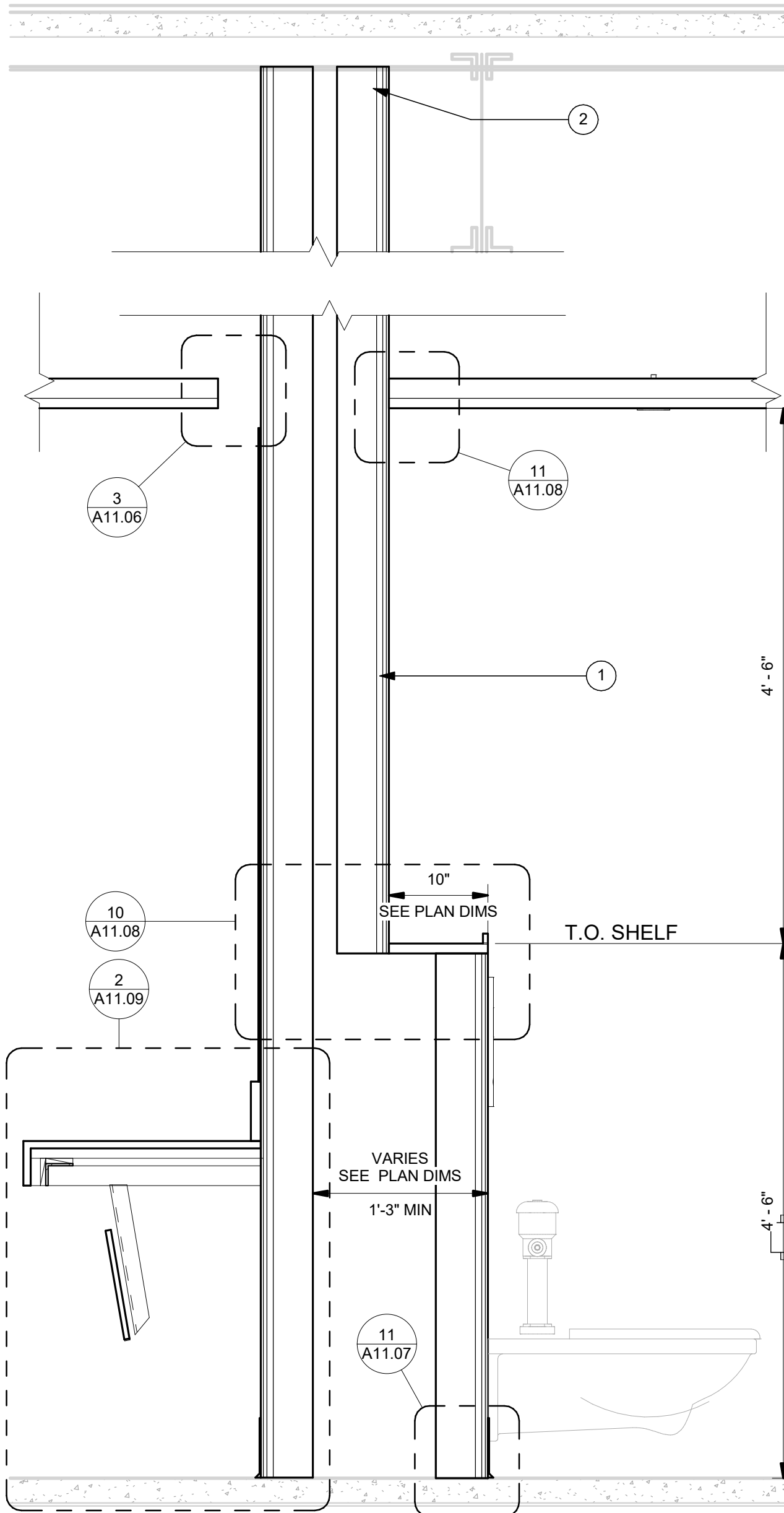
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	9
TYPE	CD
DISC. SHT. NO.	A4.00



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 WALL SECTION 2
SCALE: 1" = 1'-0"

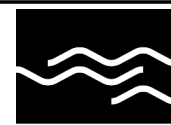


2 WALL SECTION 2-A
SCALE: 1" = 1'-0"

KEYNOTES

- SEE FLOOR PLAN FOR PARTITION TYPES
- SEE SHEET A11.01 FOR WALL HEAD DETAILS

Port of Portland



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2026D012
DESIGN NUMBER

103101
PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

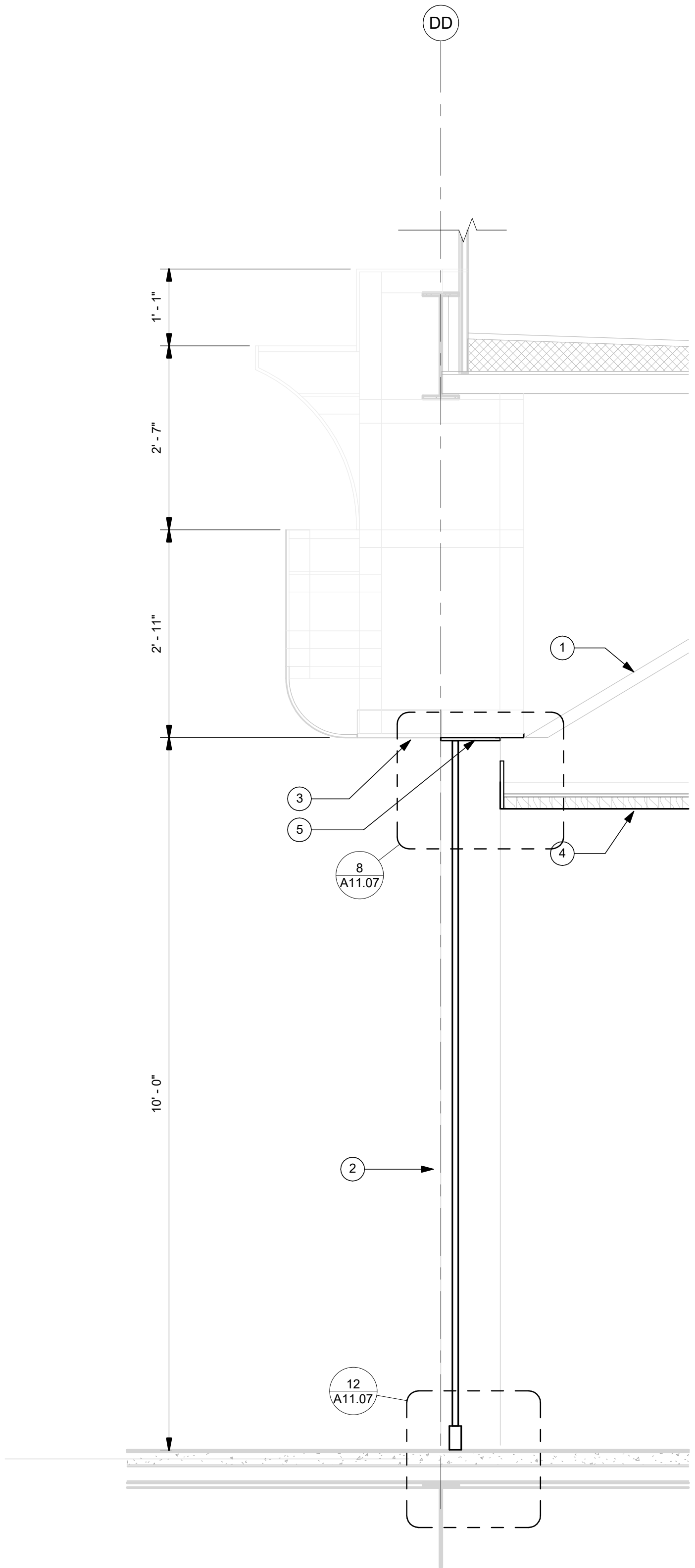
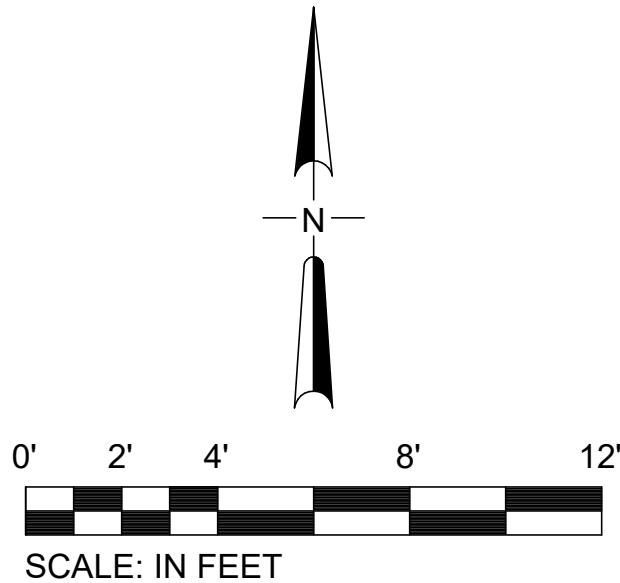
CONCOURSE D ALL-USER RESTROOM

WALL SECTIONS 1

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	10
DRAWING NO.	PDX 2026-516
TYPE	CD
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.



- KEYNOTES**
- 1 (N) METAL STUD BRACING PAINTED BLACK, SEE STRUCTURAL
 - 2 INTERIOR STOREFRONT WITH GL27
 - 3 (E) GYPSUM SOFFIT AND METAL STUD FRAMING TO REMAIN
 - 4 (N) LINEAR WOOD CEILING, LWC1
 - 5 SS PLATE AT JAMBS AND ACROSS HEAD OF OPENING, DM1

1 WALL SECTION 5
SCALE: 3/4" = 1'-0"

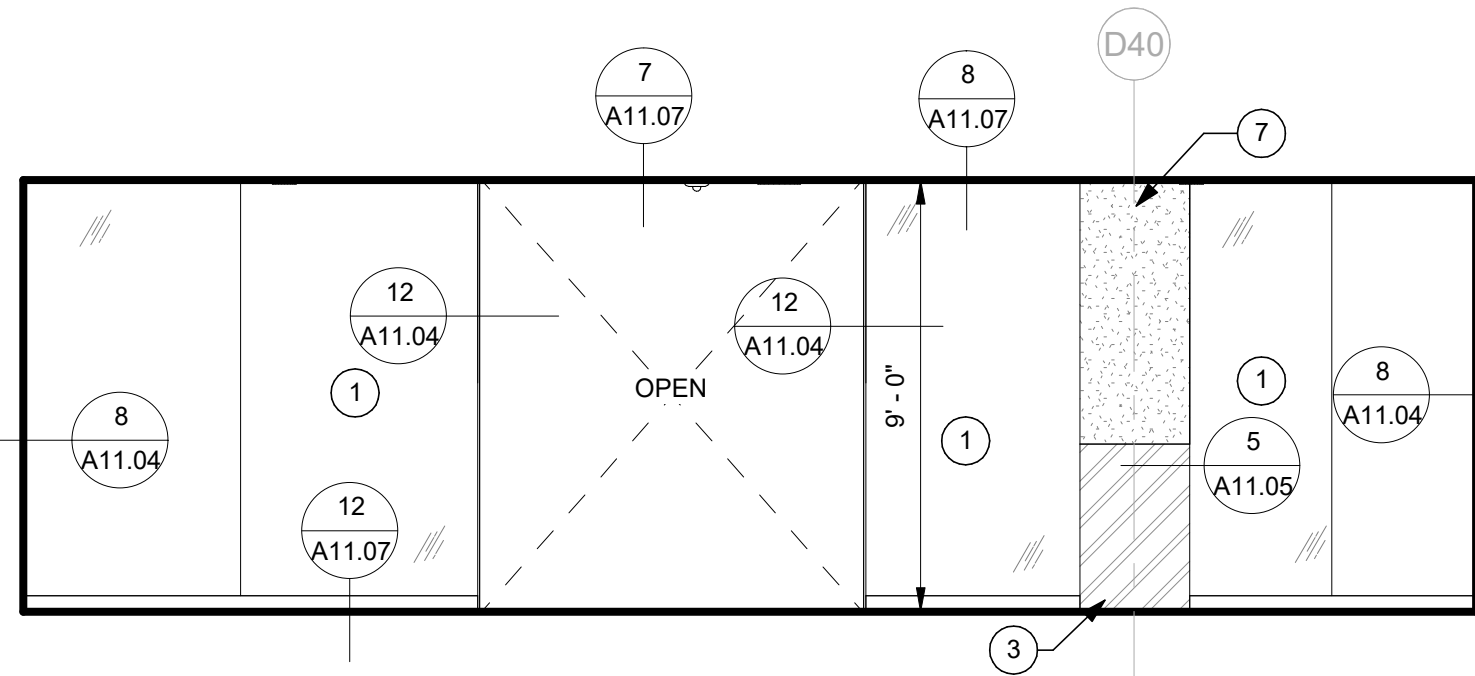
DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".
0 1/4" = 1' 1" 1/2" 1" 1/2" 1" 1/4" 1/2" 1/4" 1/8" 1/16" 1/32" 1/64" 1/128" 1/256" 1/512" 1/1024" 1/2048" 1/4096" 1/8192" 1/16384" 1/32768" 1/65536" 1/131072" 1/262144" 1/524288" 1/1048576" 1/2097152" 1/4194304" 1/8388608" 1/16777216" 1/33554432" 1/67108864" 1/134217728" 1/268435456" 1/536870912" 1/1073741824" 1/2147483648" 1/4294967296" 1/8589934592" 1/17179869184" 1/34359738368" 1/68719476736" 1/137438953472" 1/274877906944" 1/549755813888" 1/1099511627776" 1/2199023255552" 1/4398046511104" 1/8796093022208" 1/17592186044416" 1/35184372088832" 1/70368744177664" 1/140737488355328" 1/281474976710656" 1/562949953421312" 1/1125899906842624" 1/2251799813685248" 1/4503599627370496" 1/9007199254740992" 1/18014398509481984" 1/36028797018963968" 1/72057594037927936" 1/144115188075855872" 1/288230376151711744" 1/576460752303423488" 1/1152921504606846976" 1/2305843009213693952" 1/4611686018427387904" 1/9223372036854775808" 1/18446744073709551616" 1/36893488147419103232" 1/73786976294838206464" 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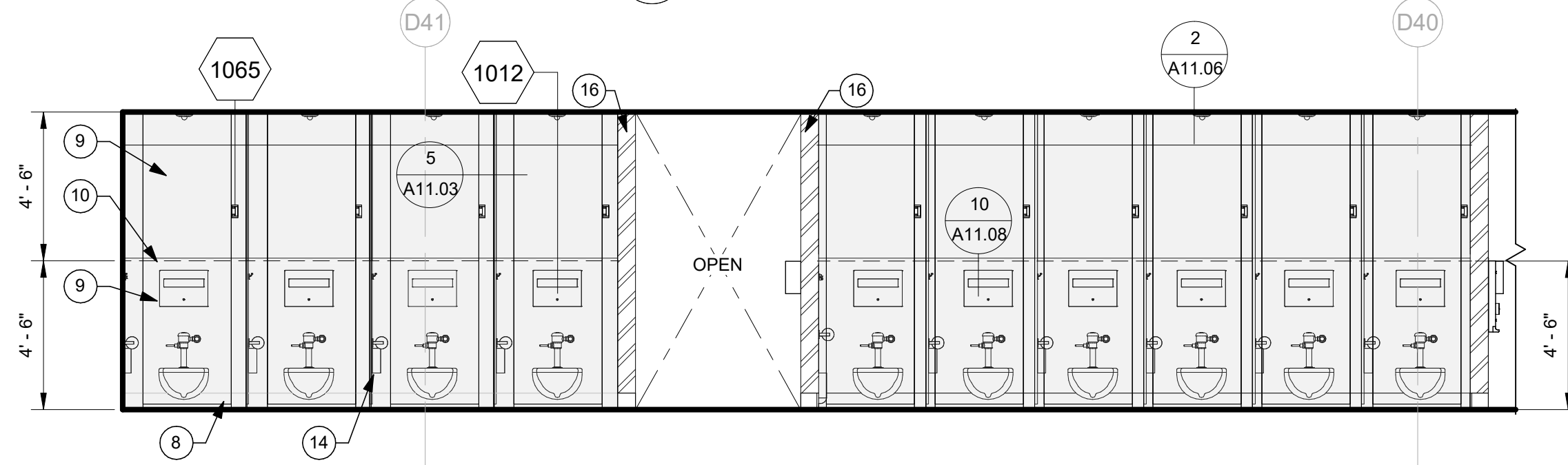
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13. REPAIR AND REPLACE EXISTING FLOOR, ROOF AND WALL FIREPROOFING AT ALL NEW WALL AND CEILING CONNECTIONS.
14. REFERENCE A8 SHEET SERIES FOR FINISH PLANS SHOWING FLOOR AND WALL FINISHES.

- 1 DEMO (E) WALL AND HEADER ABOVE OPENING
- 2 REMOVE AND REINSTALL (E) WATER FOUNTAINS
- 3 DEMO (E) SS BULLNOSE
- 4 DEMO (E) WALL
- 5 (E) MECHANICAL SOFFIT TO REMAIN
- 6 DEMO (E) COLUMN COVER

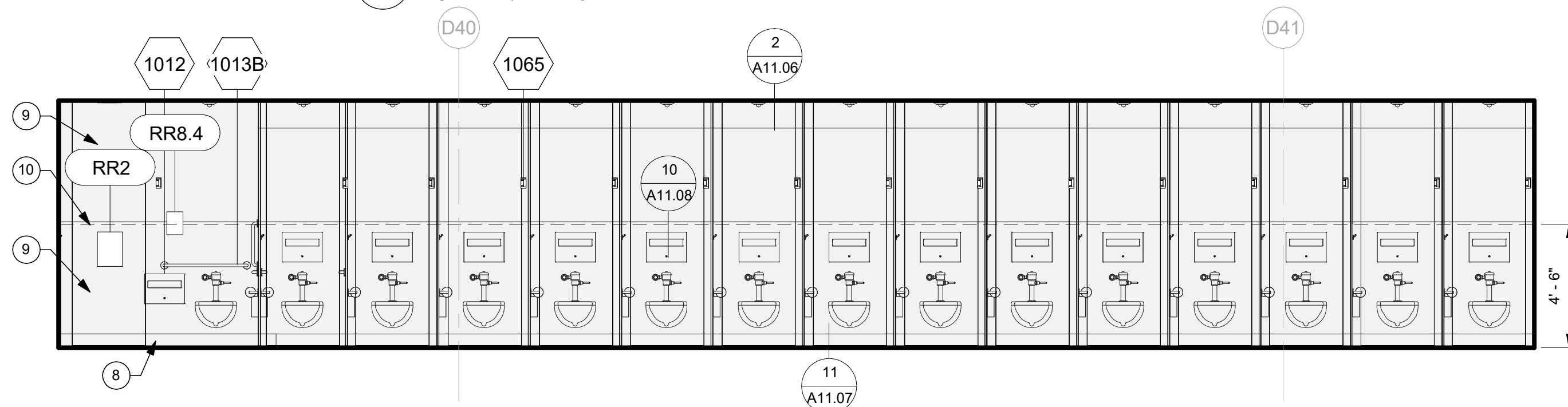
																																								PORTLAND INTERNATIONAL AIRPORT										SUBMITTED BY BRIAN FRANCIS									
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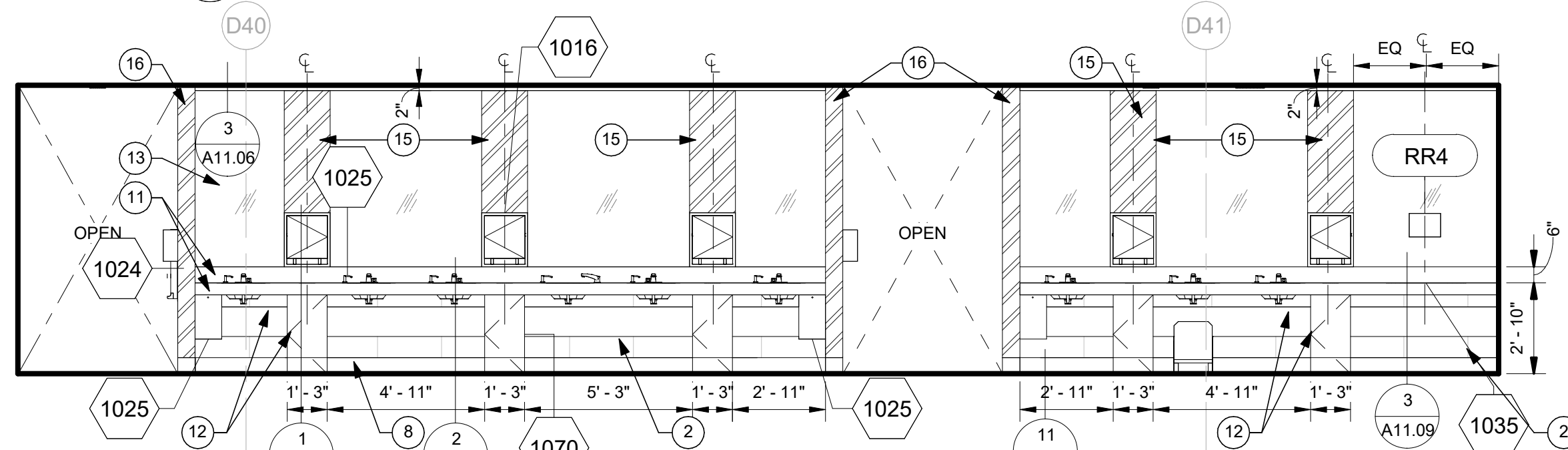
D2646 INTERIOR ENTRY
SCALE: 1/4" = 1'-0"



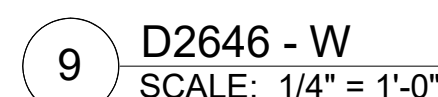
4 D2646 - N
SCALE: 1/4" = 1'-0"



6 D2646 - S
SCALE: 1/4" = 1'-0"

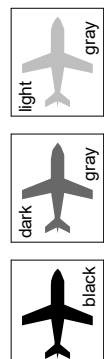


8 D2646 SINK - S
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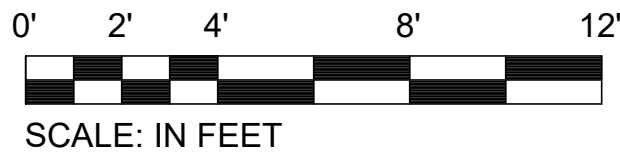


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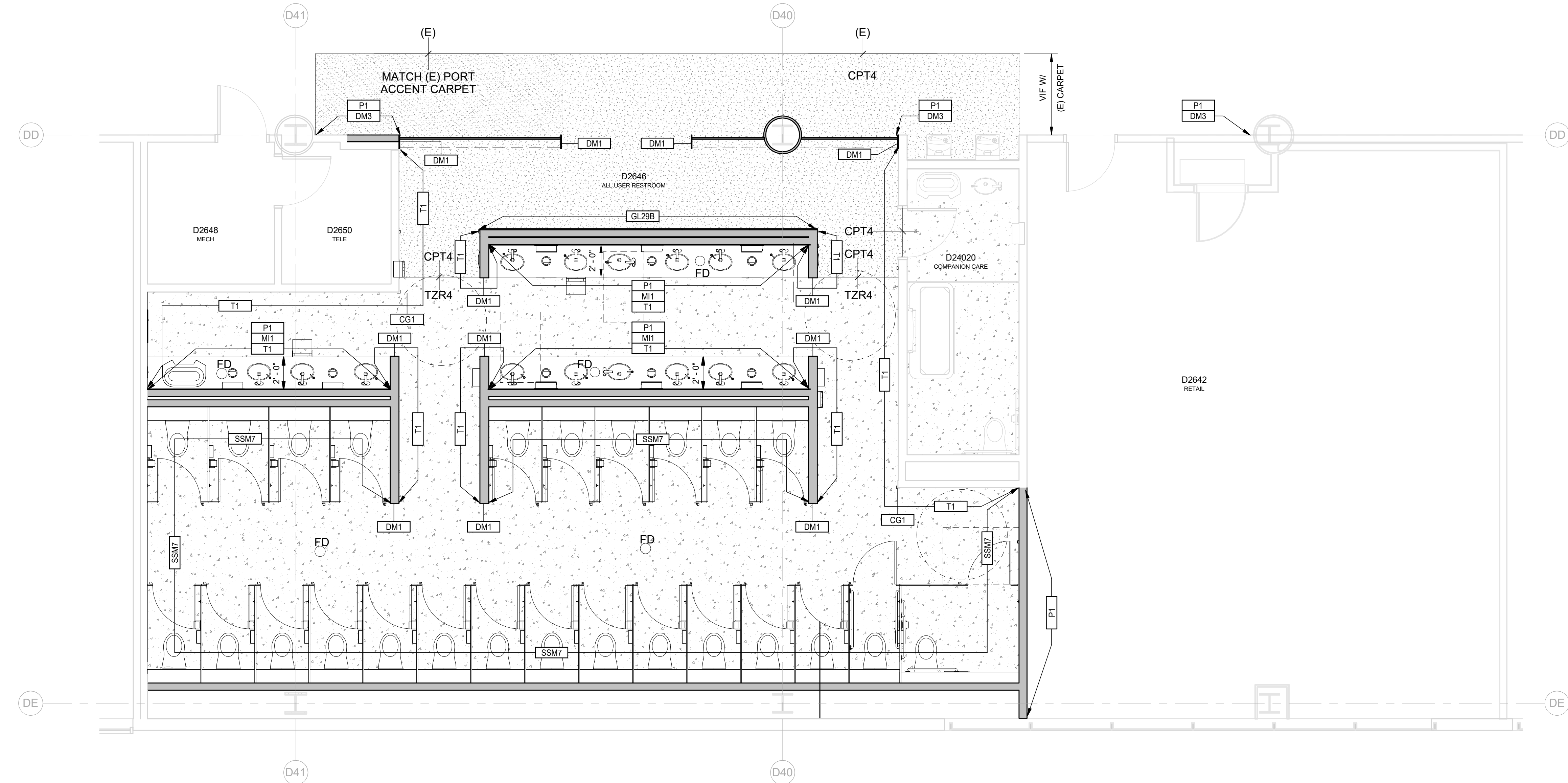
- 1 INTERIOR GLAZING SYSTEM, GL27
- 2 WALL TILE, T1
- 3 SS WALL BASE, DM2
- 4 WALL PAINT, P1
- 5 (E) DOOR TO REMAIN
- 6 SS WAINSCOT, DM3
- 7 (N) COLUMN COVER TO MATCH EXISTING
- 8 TERRAZZO WALL BASE, TZR4
- 9 SOLID SURFACE WALL PANELS, SSM7
- 10 SOLID SURFACE LEDGE W/ BUILT-UP RAIL, SSM7
- 11 SOLID SURFACE COUNTERTOP AND BACKSPLASH, SSM1
- 12 SOLID SURFACE APRON AND CASEWORK, SSM2
- 13 MIRROR, MI1
- 14 TOILET COMPARTMENT, TC3
- 15 STAINLESS STEEL PLATE, DM(1). BUTT EDGES OF MIRROR UP TO EDGES OF PLATE AND PROVIDE CONTINUOUS CEILING JOINT
- 16 STAINLESS STEEL PLATE, DM1
- 17 LAMINATED MONOLITHIC GLASS WITH CUSTOM PRINTED BACK LAYER, GL29B
- 18 (E) COLUMN COVER TO REMAIN
- 19 (E) MECHANICAL SOFFIT TO REMAIN



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



SCALE: IN FEET



NOTES

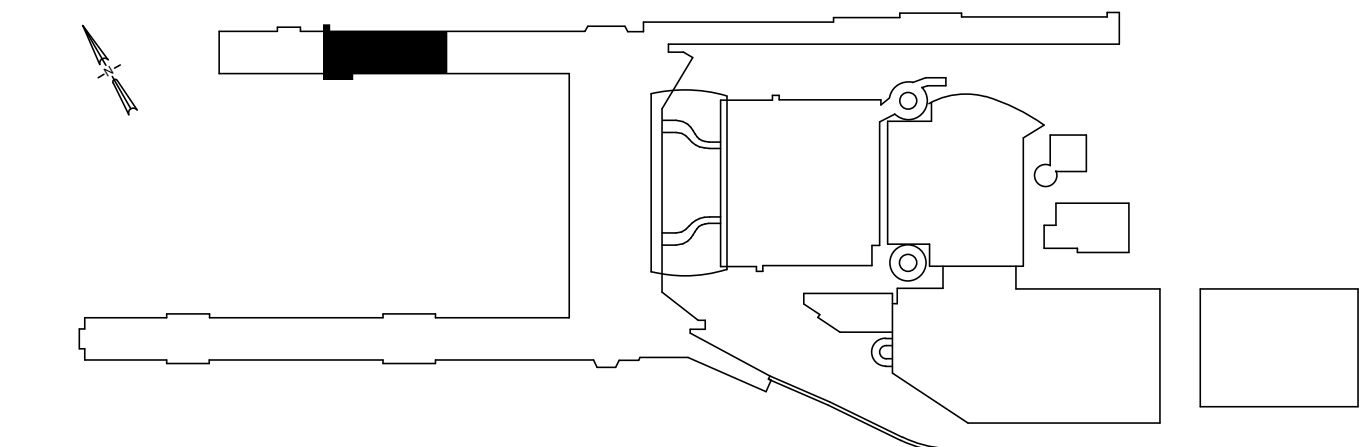
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FINISH LEGEND			
ACP#	ACOUSTIC CEILING PANEL	P#E	EPOXY PAINT
AMC#	ACOUSTIC METAL CEILING	RB#	RUBBER BASE
CPT#	CARPET	RFS#	RESILIENT FLOORING SHEET
GL#	GLASS	SC#	SEALED CONCRETE
GWB#	GYPSUM WALL BOARD	SSB#	STAINLESS STEEL
LWC#	LINEAR WOOD CEILING	SSM#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

LEGEND

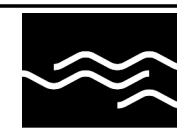
- (E) 2-HOUR RATED WALL
- (E) 1-HOUR RATED WALL
- (N) FULL HEIGHT WALL WITH FINISH PER SCHEDULE, SEE PARTITION TYPES
- (E) WALL WITH FINISH PER SCHEDULE, SEE PARTITION TYPES

KEY PLAN



1 CONCURSE D - SECTOR 3 - D2646 - ENPLANING - FINISH PLAN
SCALE: 1/4" = 1'-0"

Port of Portland



mwa architects

2026D012
DESIGN NUMBER

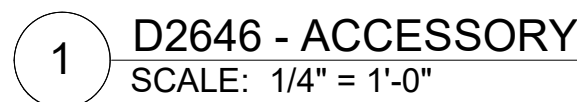
103101
PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

CONCURSE D ALL-USER RESTROOM

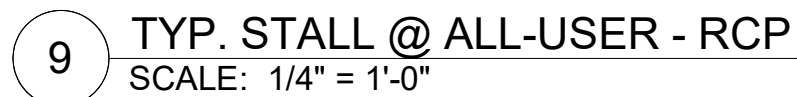
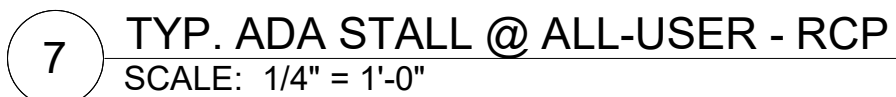
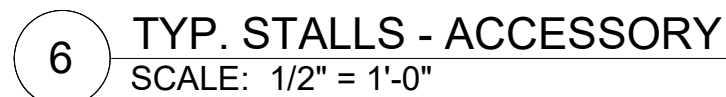
CONCURSE D - SECTOR 3 - D2646 - ENPLANING - FINISH PLAN

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	14
TYPE	CD
DISC. SHT. NO.	
PDX 2026-516	A8.00



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.

1	OCCUPANCY SENSOR
2	LIGHT FIXTURE
3	SMOKE DETECTOR
4	ACOUSTIC PANEL CEILING, MONOLTHIC PERFORATED PANEL WITH CONCEALED SUSPENSION
5	FIRE STROBE
6	(N) SPRINKLER HEAD



 Port of Portland	
 mwa architects	
2026D012 DESIGN NUMBER	103101 PROJECT NUMBER

mwa architects

103101
PROJECT NUMBER

ACCESSORY 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 2026-516	DISC. SHT. NO. A9.00

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

GRAPHIC SCALE-FOR REFERENCE ONLY

[illegible]

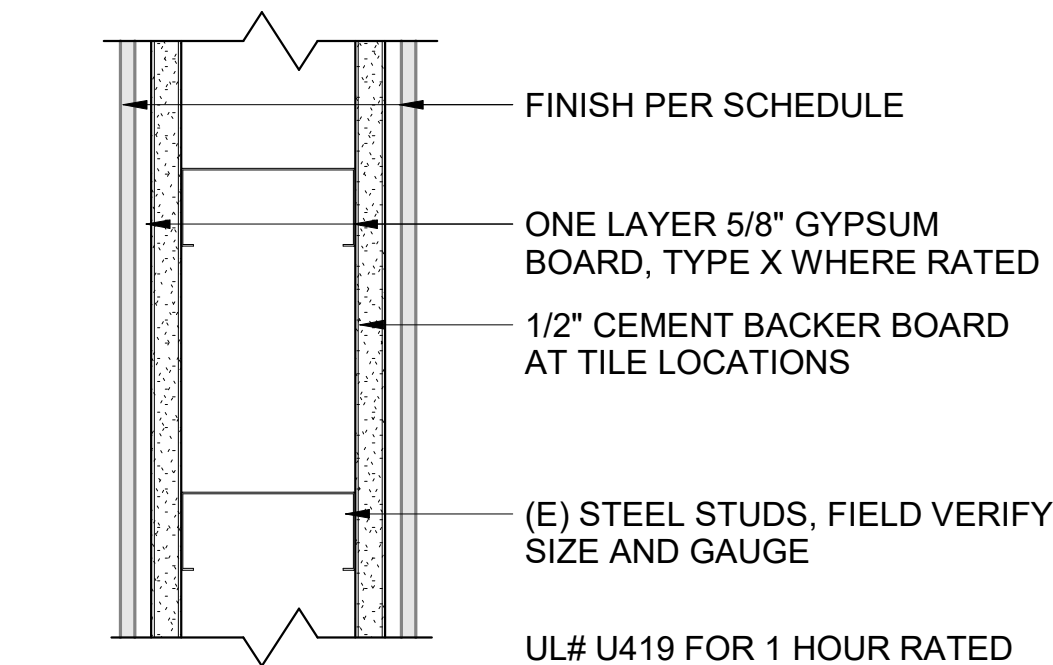
	PORTLAND INTERNATIONAL AIRPORT
	CONCOURSE D ALL-USER RESTROOM
	SCHEDULES

	PORTLAND INTERNATIONAL AIRPORT	SUBMITTED BY	BRIAN FRANCIS	
	CONCOURSE D ALL-USER RESTROOM	DESIGNED BY	A. COOK	
		DRAWN BY	M. PHILLIPS	
		CHECKED BY	J. ROOT	
	SCHEDULES	DATE	JULY 2026	
		SHEET NO.	16	TYPE
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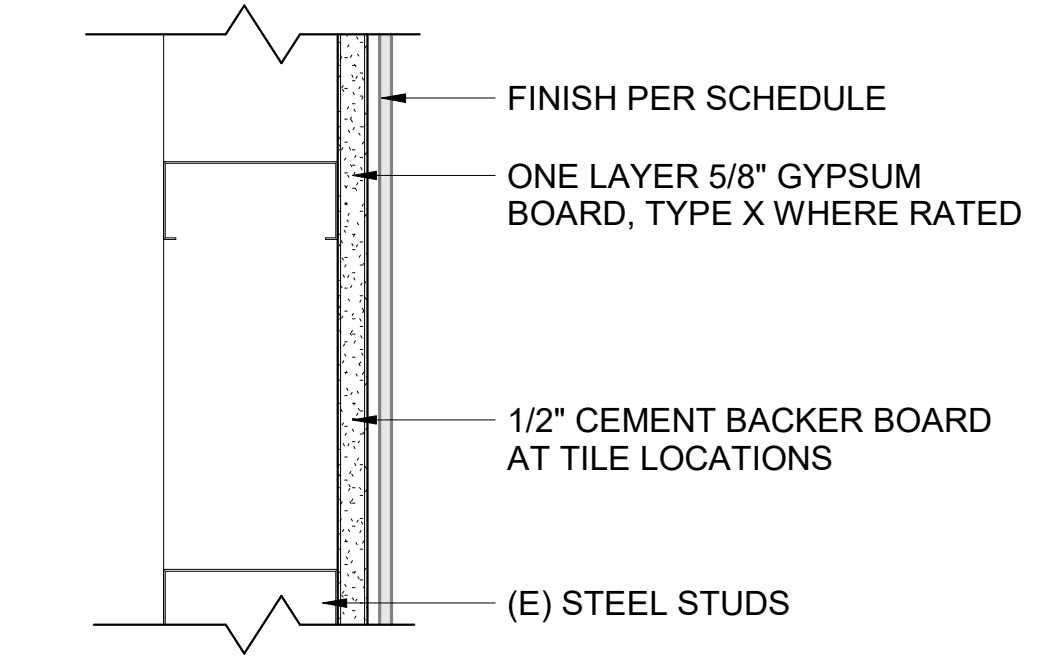
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0 1/4" = 1'-0"
GRAPHIC SCALE FOR REFERENCE ONLY

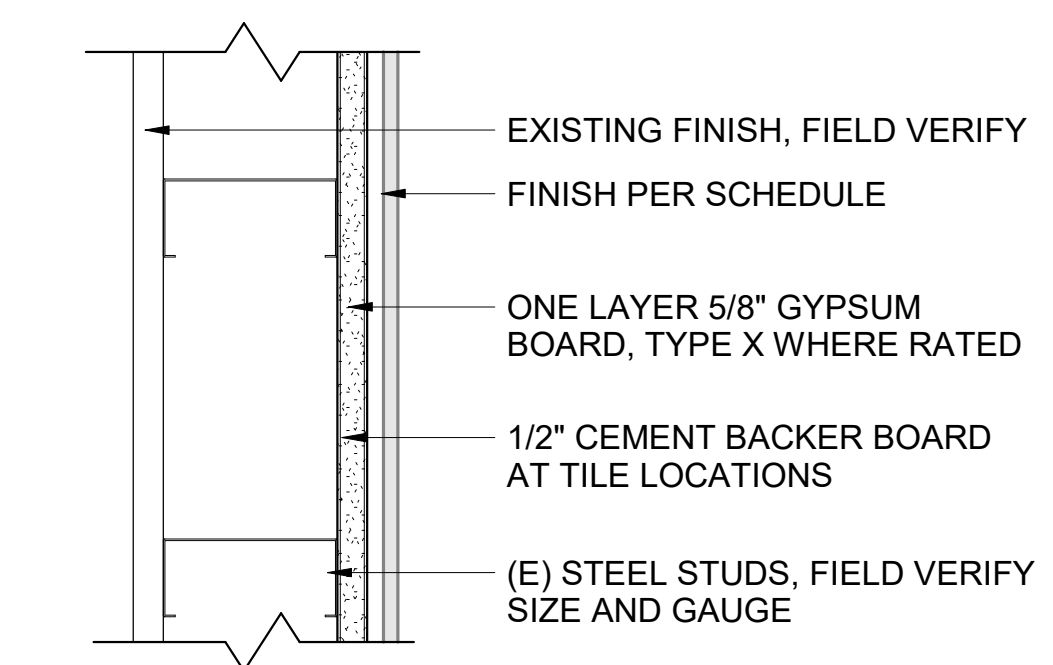
PARTITION TYPES



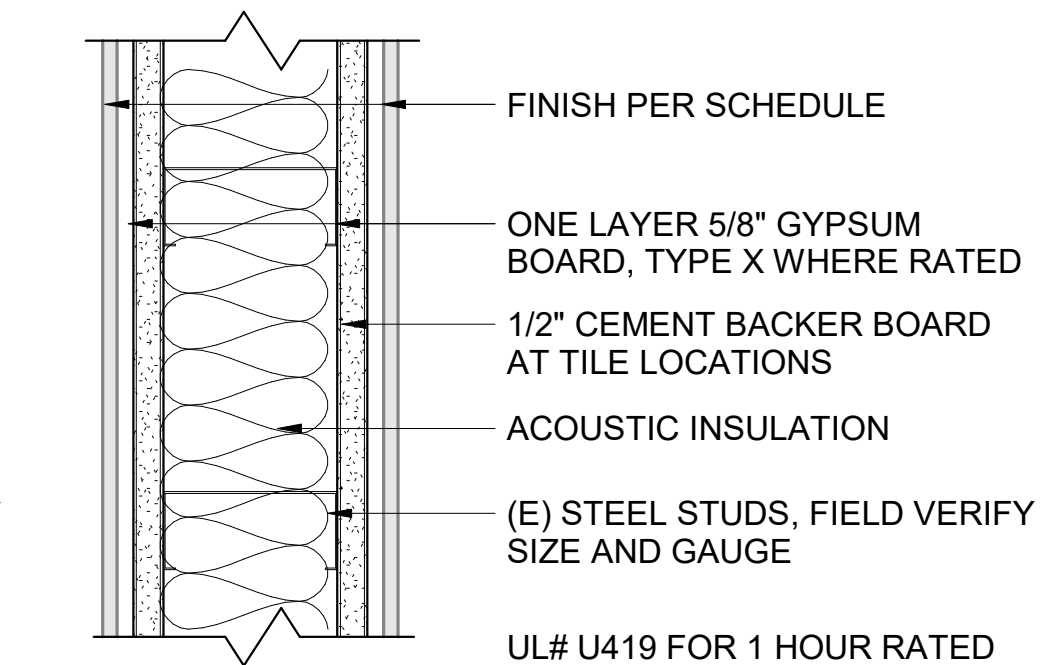
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SCALE: 3" = 1'-0"



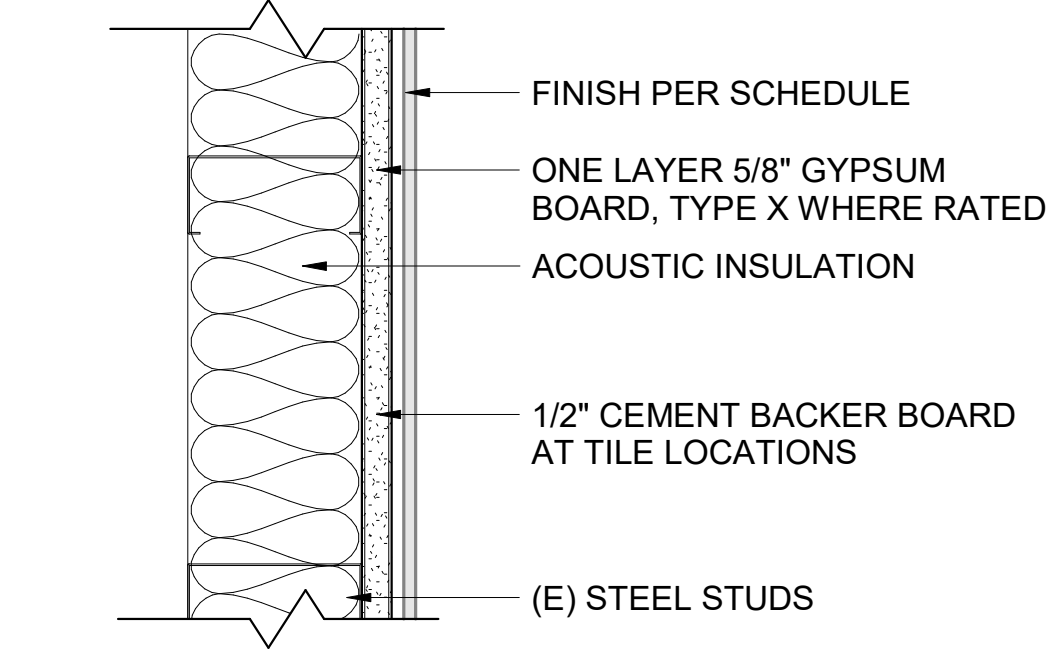
5 INTERIOR WALL TYPE C
SCALE: 3" = 1'-0"



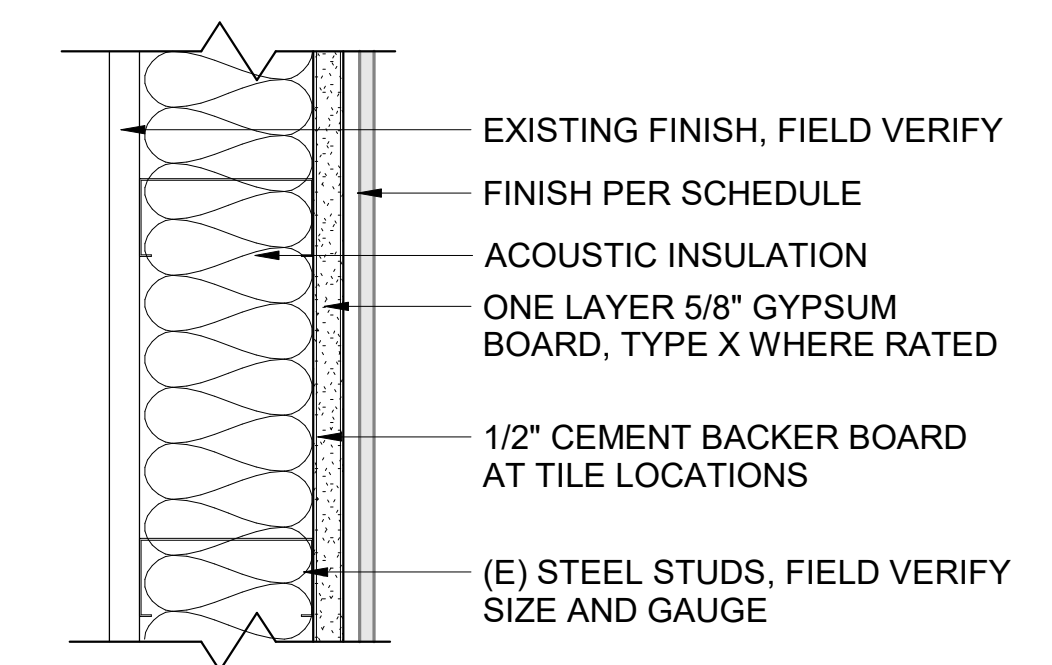
9 INTERIOR WALL TYPE E
SCALE: 3" = 1'-0"



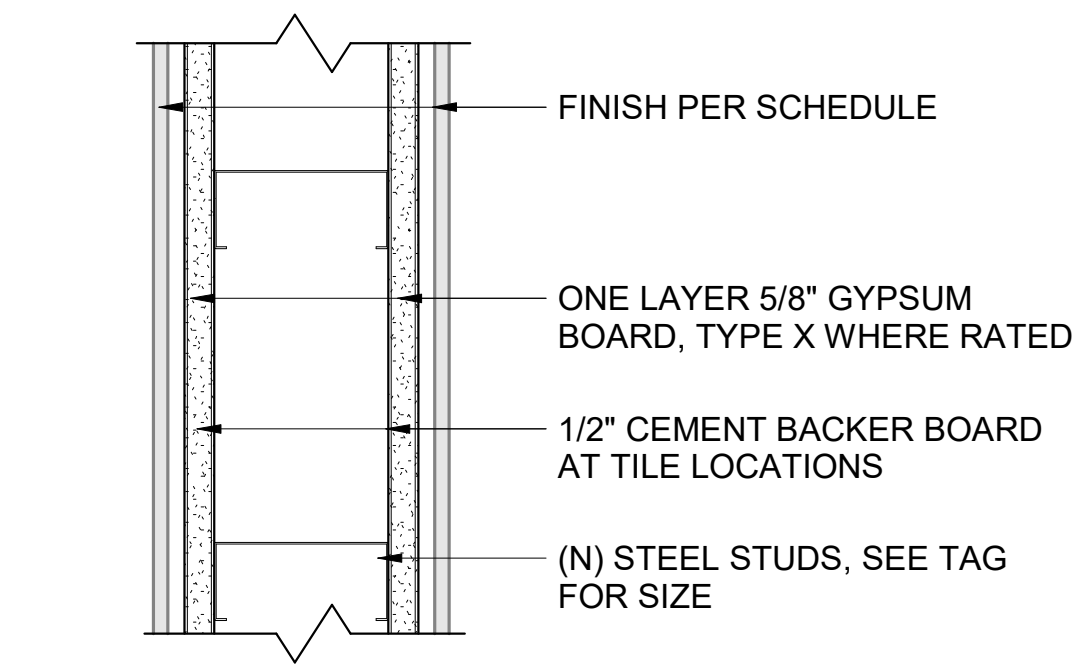
2 INTERIOR WALL TYPE AA
SCALE: 3" = 1'-0"



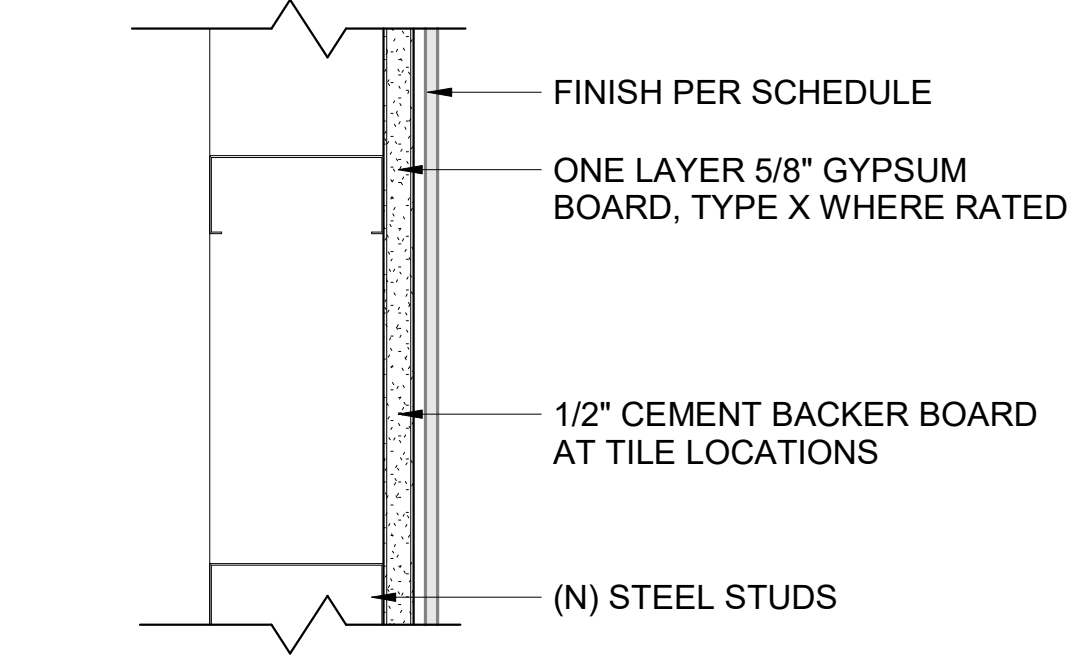
6 INTERIOR WALL TYPE CA
SCALE: 3" = 1'-0"



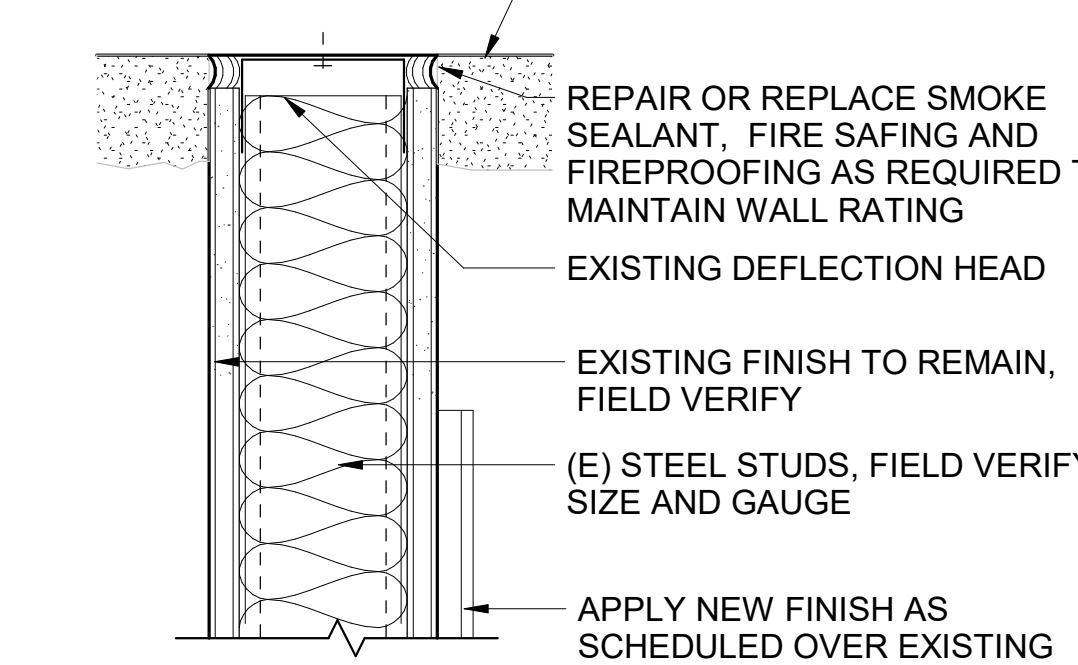
10 INTERIOR WALL TYPE EA
SCALE: 3" = 1'-0"



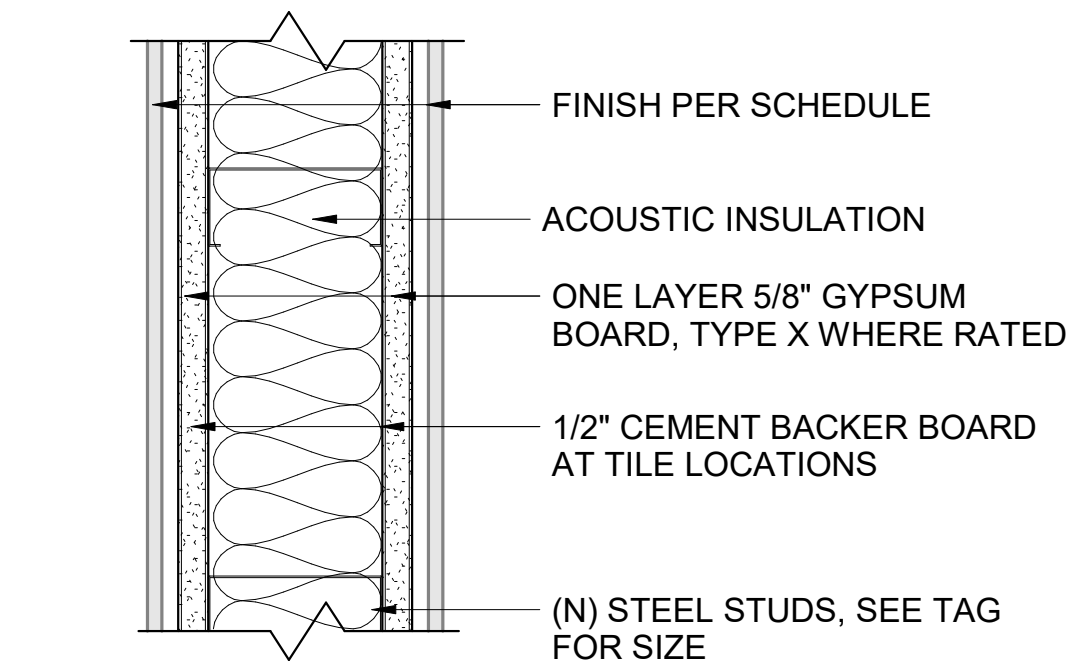
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SCALE: 3" = 1'-0"



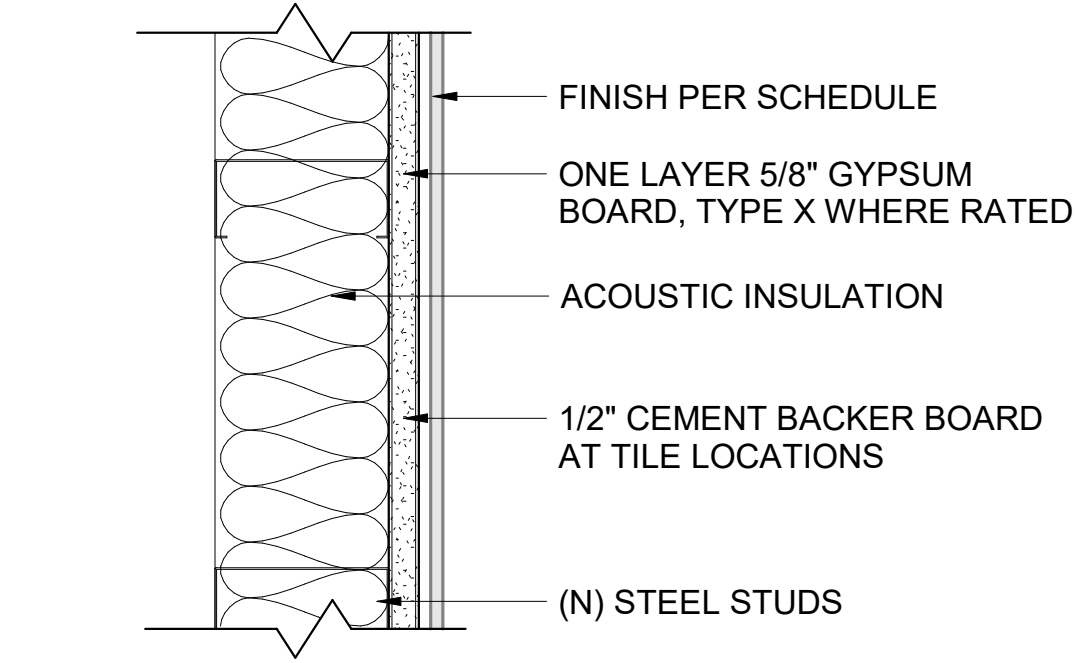
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SCALE: 3" = 1'-0"



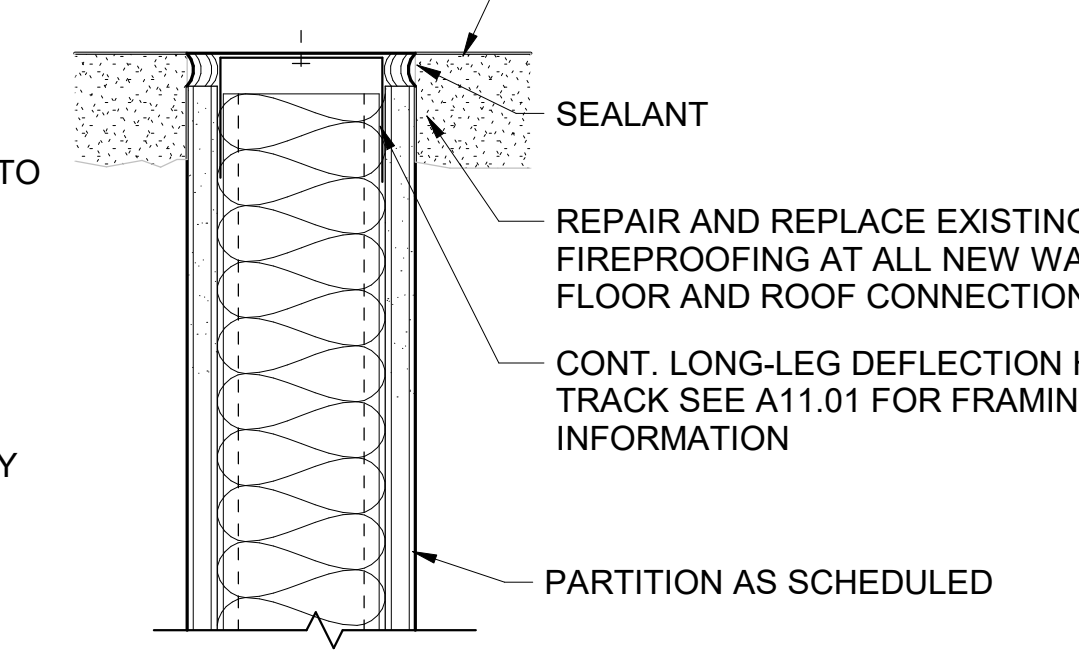
11 HEAD OF EXISTING RATED WALL
SCALE: 3" = 1'-0"



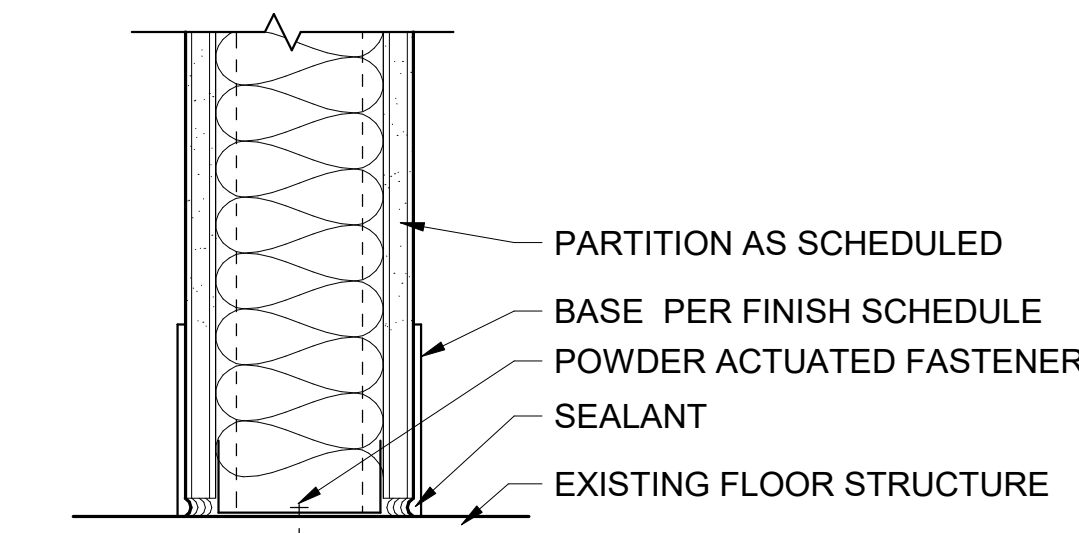
4 INTERIOR WALL TYPE BA
SCALE: 3" = 1'-0"



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



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

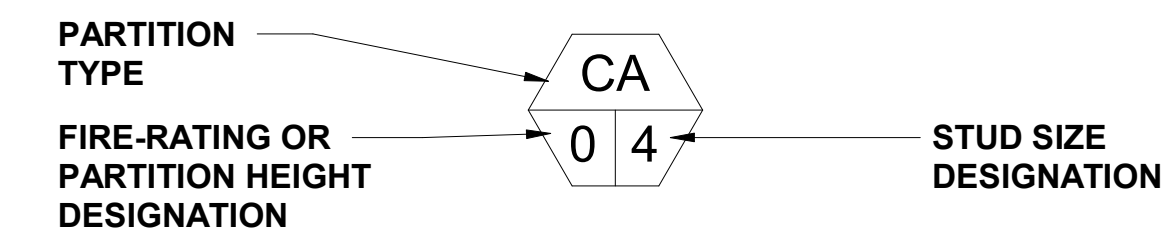


16 WALL BASE - TYPICAL
SCALE: 3" = 1'-0"

NOTES

- ALL PARTITIONS ARE NON LOAD BEARING UNLESS NOTED OTHERWISE. REFERENCE STRUCTURAL DRAWINGS FOR LOAD BEARING PARTITION ASSEMBLIES.
- REPAIR AND REPLACE EXISTING FIREPROOFING AT ALL NEW WALL, FLOOR AND ROOF CONNECTIONS.
- SEE FLOOR PLANS FOR LOCATIONS OF RATED PARTITIONS.
- TYPICAL FRAMING SHALL BE 400S125-30 METAL STUDS @ 16" O.C. UNLESS NOTED OTHERWISE. BOTTOM TRACK TO BE 400T125-43 CONT. TRACK.
- URINAL STUDS TO BE 600S125-30@ 16" O.C.
- PROVIDE FULL THICKNESS SOUND INSULATION INSIDE ALL ACOUSTICAL PARTITIONS INCLUDING BEAMS, HEADERS AND JAMBS.
- FIRE AND SMOKE RATED PARTITIONS SHALL EXTEND AND SEAL TO INSIDE FACE OF EXTERIOR SHEATHING, TOP OF SLAB AND BOTTOM OF DECK.
- FIRE RESISTANT RATED PARTITIONS SHALL USE RATED FIRE SMOKE FIRE RESISTANT FILL MATERIAL IN CONJUNCTION WITH A RATED FIRE/ SMOKE FIRE STOPPING SYSTEM.
- NON RATED PARTITIONS SHALL USE ACOUSTICAL SEALANT.
- WHERE INDICATED, CLEAR DIMENSIONS ARE TO FACE OF PARTITION FINISH.
- ALL DIMENSIONS ARE TO FACE OF PARTITION ASSEMBLY U.N.O. REFER TO PARTITION TYPES FOR WIDTH DIMENSIONS UNLESS INDICATED ON FLOOR PLAN.
- REFERENCE SPECIFICATION DIVISIONS 1 AND 2 FOR ADDITIONAL REQUIREMENTS.
- PROVIDE ACOUSTIC SEALANT AT PERIMETER AND ALL PENETRATIONS OF SOUND RATED PARTITIONS.
- PROVIDE BACKING PLATES AT ALL TOILET ACCESSORIES AND WALL MOUNTED EQUIPMENT.
- FIRE RESISTANT RATINGS ARE TO BE MAINTAINED IN ALL OPENINGS IN RATED PARTITIONS.
- BOTTOM OF STRUCTURE IS DIAGRAMMATIC ONLY AND DOES NOT INDICATE EXACT CONSTRUCTION CONDITIONS OR GEOMETRY.
- PROVIDE TILE BACKER BOARD AT ALL LOCATIONS WITH TILE.
- 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

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DESIGN NUMBER

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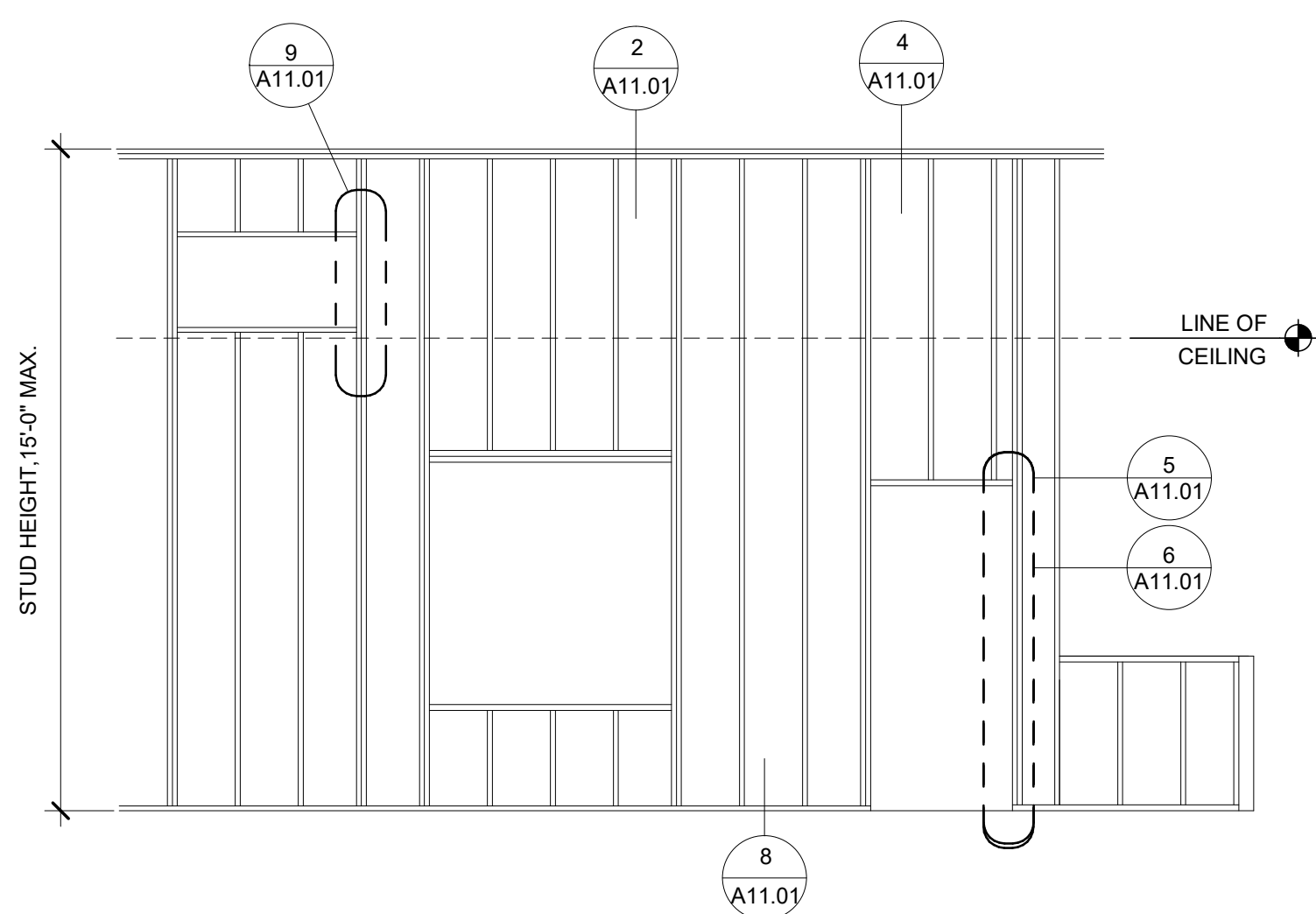
PORTLAND INTERNATIONAL AIRPORT

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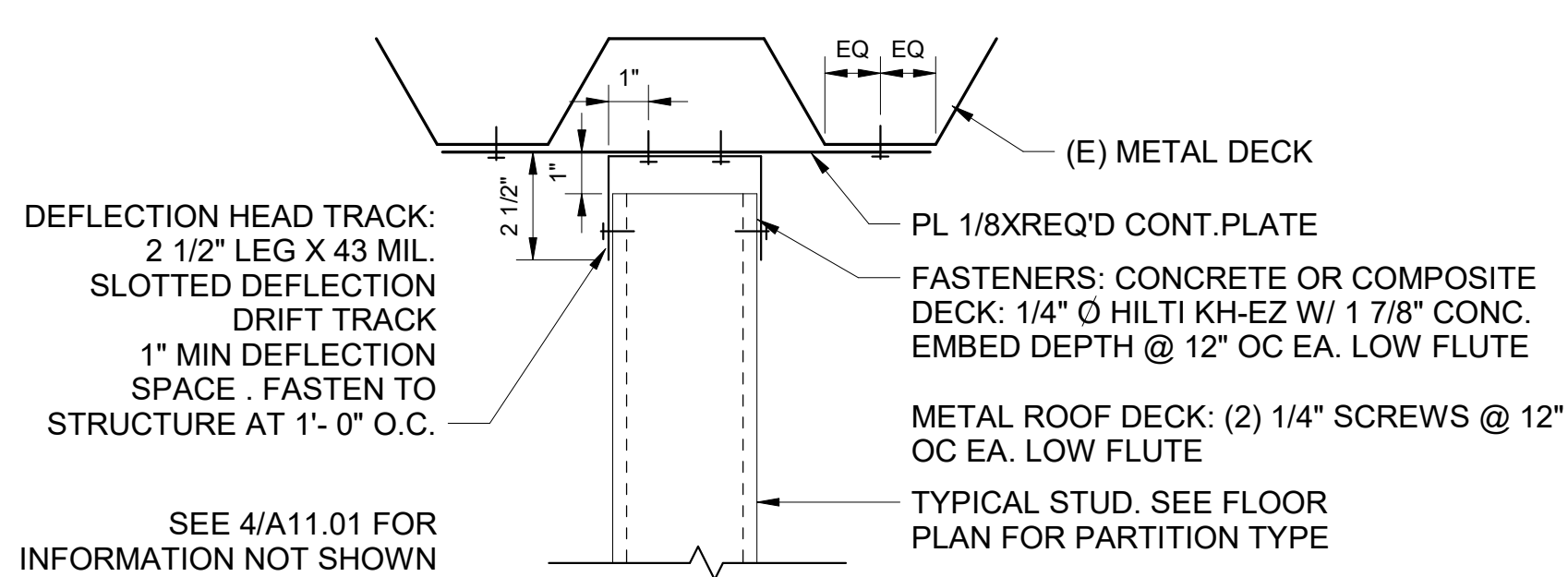
DETAILS - PARTITION TYPES

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	17
TYPE	CD
DISC. SHT. NO.	
PDX 2026-516	A11.00

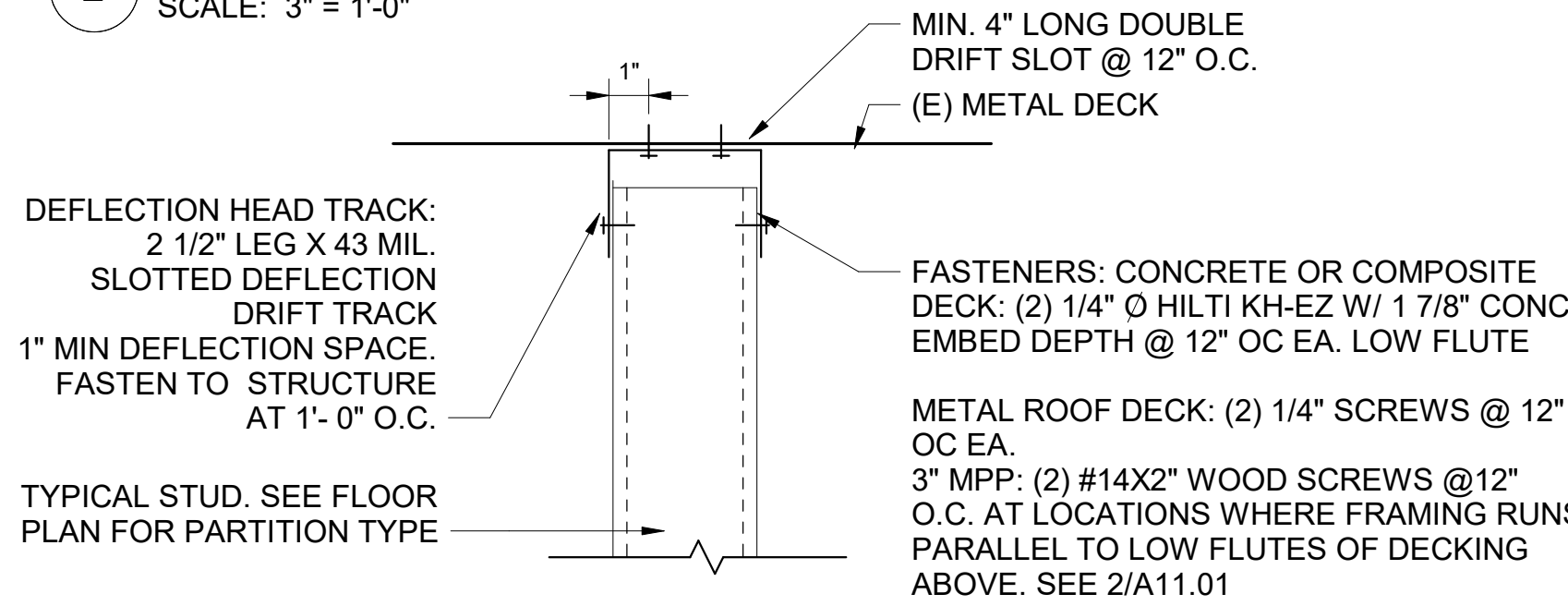
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



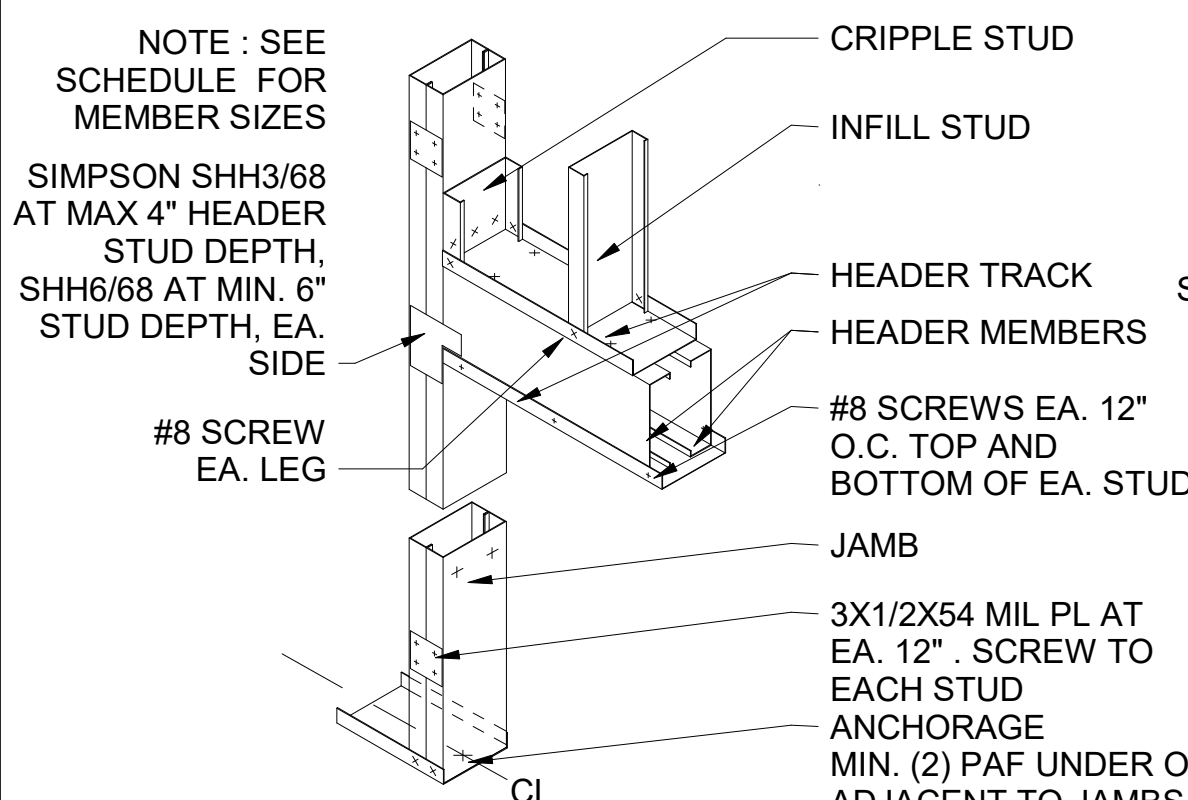
1 TYP. INTERIOR FRAMING
SCALE: 3/4" = 1'-0"



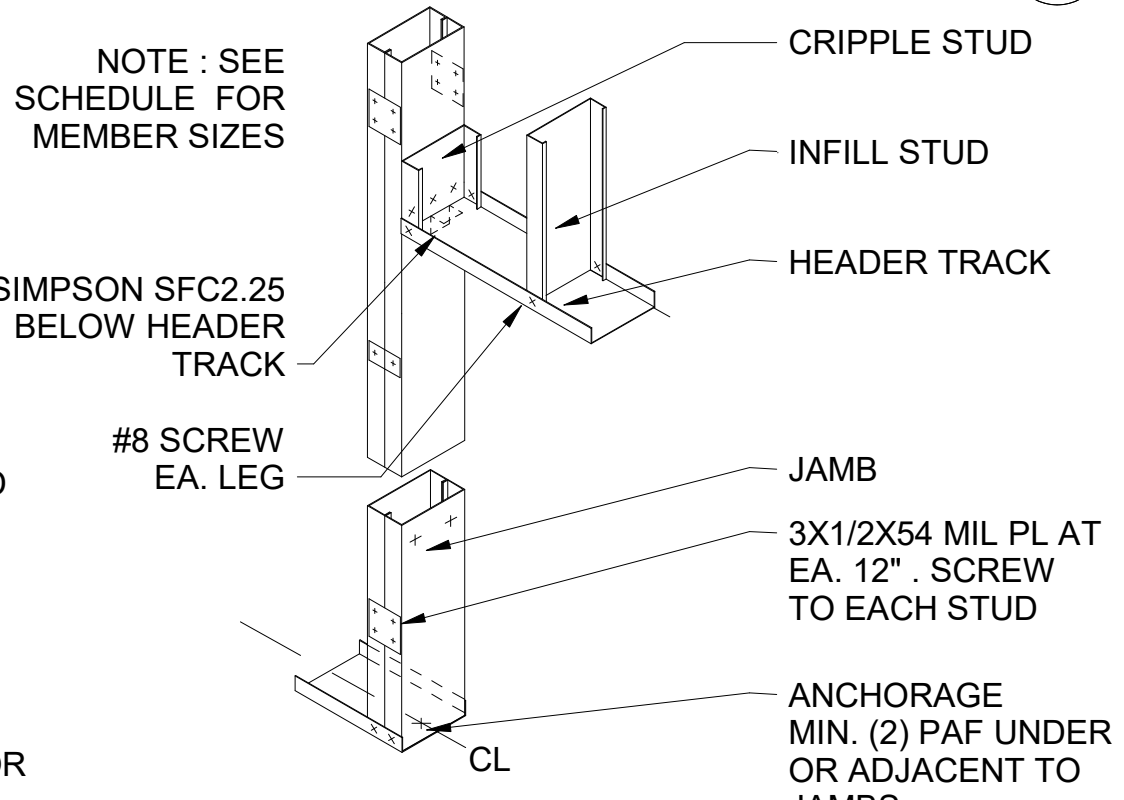
2 DEFLECTION HEAD - FRAMING PARALLEL TO LOW FLUTES
SCALE: 3" = 1'-0"



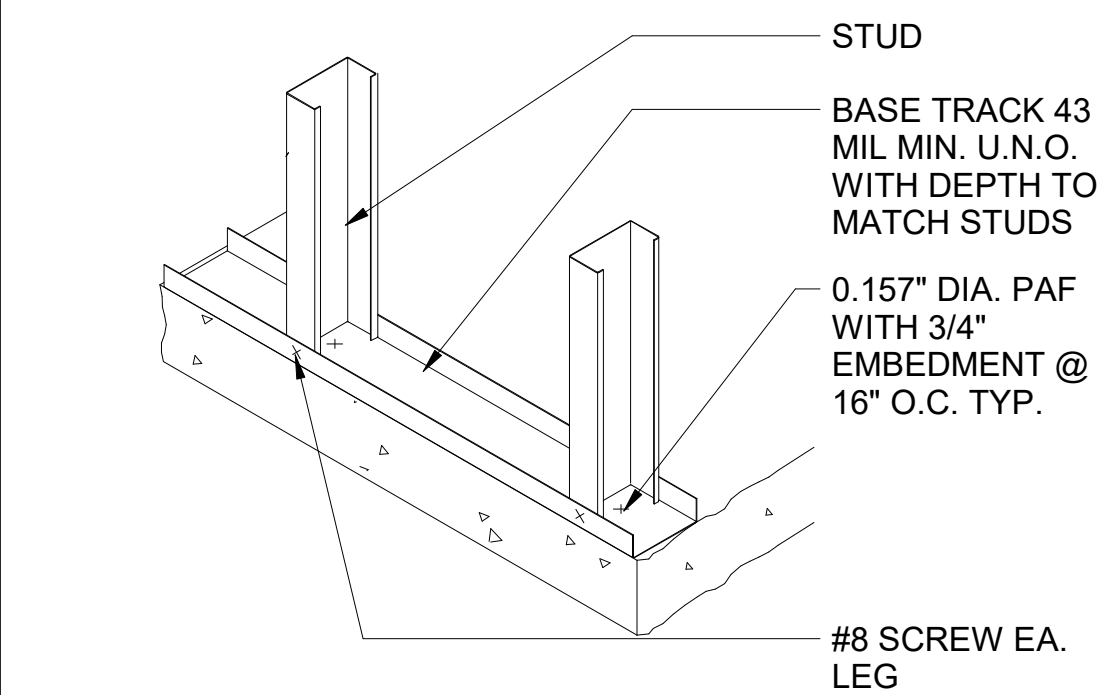
4 DEFLECTION HEAD - FRAMING PERPENDICULAR
SCALE: 3" = 1'-0"



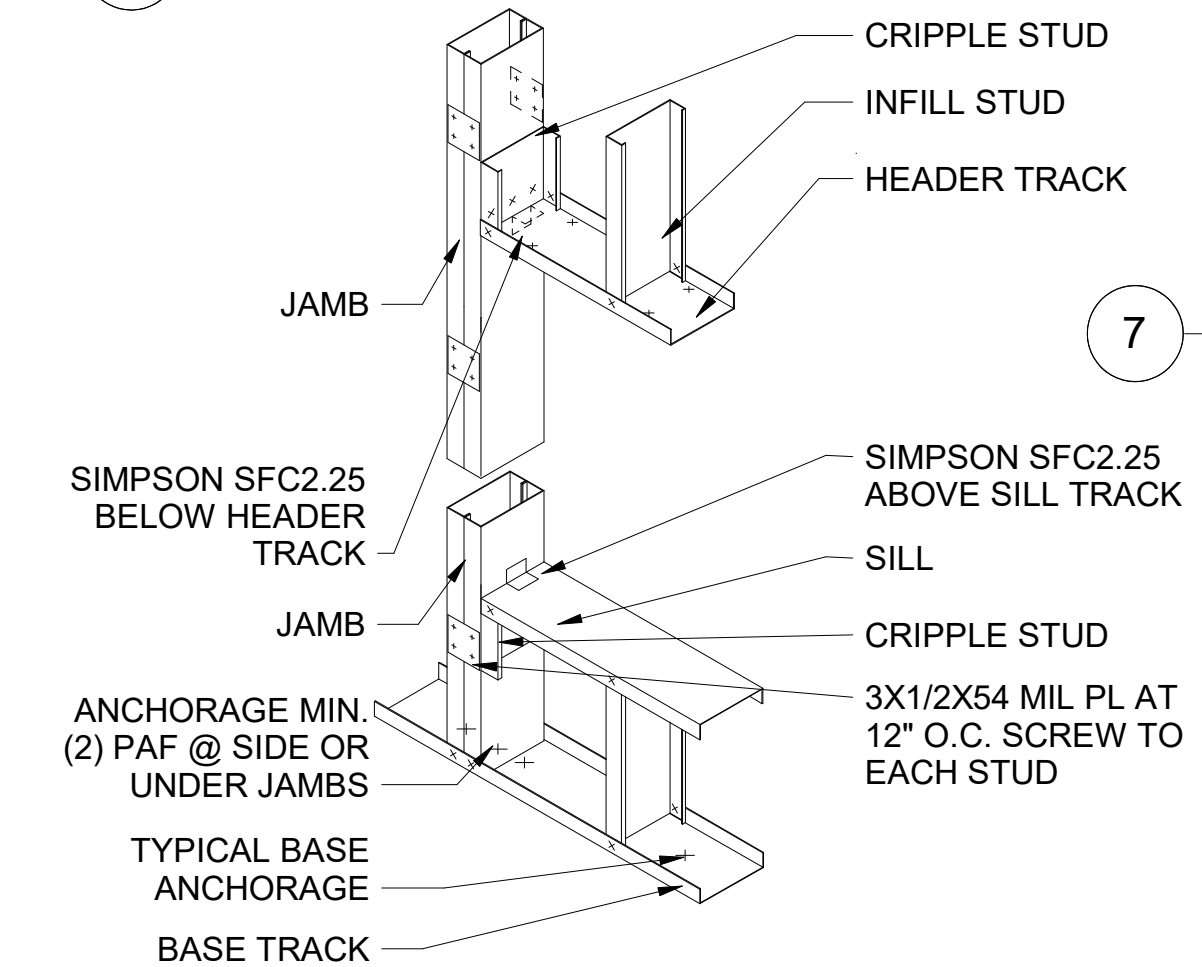
5 HEADER - 6'-0" MAX - TYPICAL
SCALE: 3/4" = 1'-0"



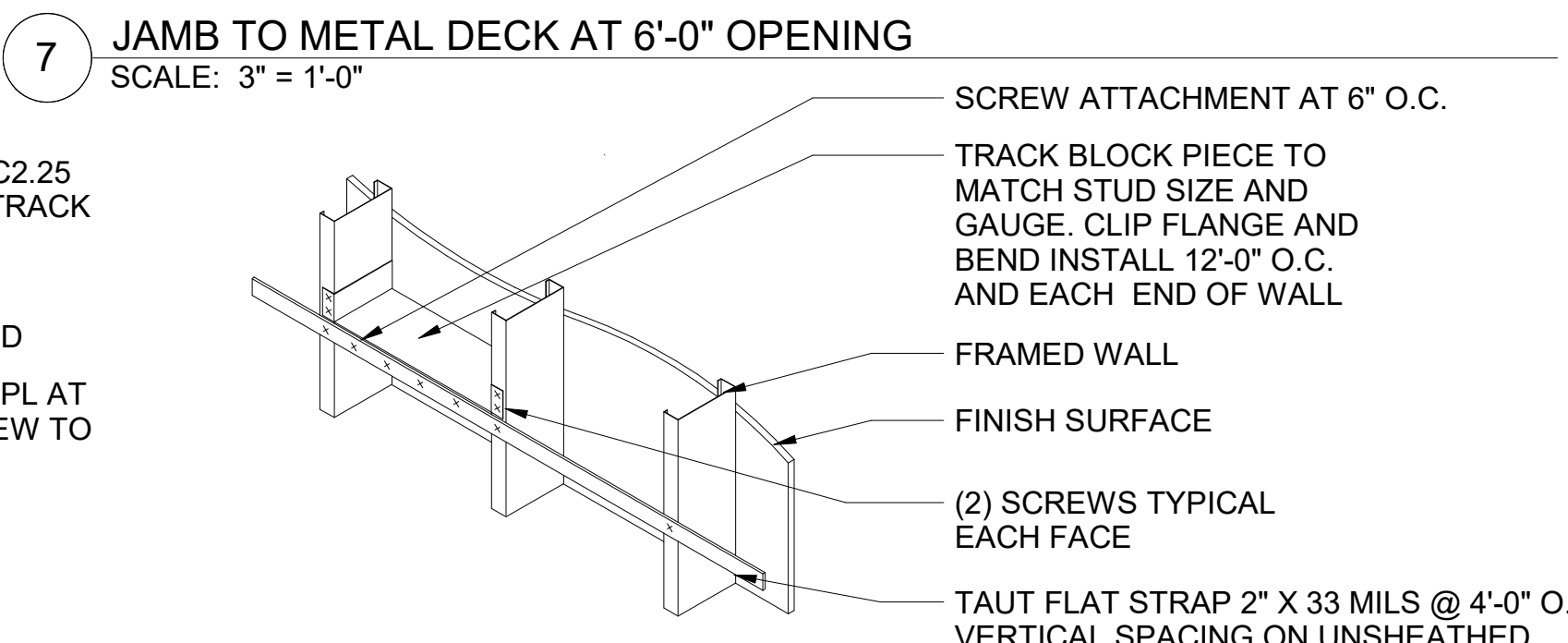
6 HEADER - 4'-0" MAX - TYPICAL
SCALE: 3/4" = 1'-0"



8 TYPICAL ATTACHMENT TO SLAB
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"

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

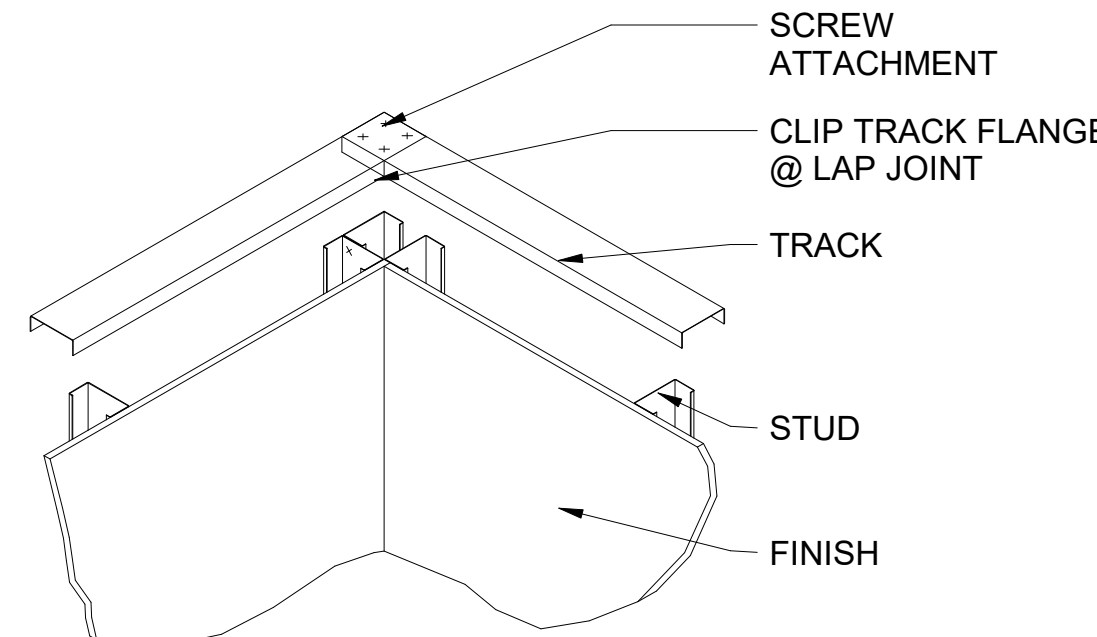
TYPE	LOAD DIAGRAM SECTION	PLAN DETAIL AND STUD GA.
LARGE SIZE GRAB BARS/WALL MOUNTED LARGE EQUIPMENT, ETC		
MEDIUM SIZE RESTROOM ACCESSORIES OR TOILET/URINAL PARTITIONS		
SMALL SIZE RESTROOM ACCESSORIES OR CASEWORK		

METAL STUD FRAMING NOTES

- STEEL PARTITION FRAMING MATERIALS SHALL BE AS SPECIFIED.
- 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:
 - WHERE SCREW HEAD IS OVERLAID WITH GYPSUM BOARD OR OTHER FINISH USE WAFFER HEAD SELF-DRILLING.
 - WHERE SCREW HEAD IS NOT OVERLAID WITH GYPSUM BOARD OR OTHER FINISH USE HEXHEAD SELF DRILLING.
- 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
- POWDER ACTUATED FASTENER (PAF): HILTI X-U. ICC ES NUMBER 2269. INSTALL IN ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS.
- ALL STUDS SHALL BE "C" STUDS WITH STIFFENED FLANGES.
- ALL STUD FRAMING SHALL BE FULL HEIGHT, TO THE UNDERSIDE OF THE ROOF OR FLOOR DECK, UNLESS NOTED OTHERWISE
- 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 .
- DOUBLE STUDS AT THE SIDES OF OPENINGS SHALL NOT BE CUT FOR ANY REASON.
- PROVIDE SCREWS AT SIZE INDICATED, LENGTH AS REQUIRED.

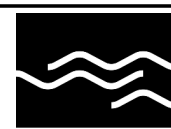
HEADER JAMB SCHEDULE NOTES

- HEADER TRACK WIDTH SHALL MATCH WALL STUD DEPTH.
- 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.
- BOX HEADER TRACKS SHALL BE FASTENED TO HEADER STUD FLANGES W/ #8 SCREWS AT 12" O.C. EACH FLANGE TOP AND BOTTOM.
- SIZES IN SCHEDULE ASSUME STUDS ARE SHEATHED BOTH SIDES OR WITH BLOCKING AT 48" O.C. MAX. UNLESS NOTED OTHERWISE.
- ALTERNATIVE BOX JAMB, HEADER AND BRIDGING ASSEMBLIES, WITH SUPPORTING STRUCTURAL DOCUMENTATION MAY BE CONSIDERED AT PORT'S SOLE DISCRETION.



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

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2026D012
DESIGN NUMBER

103101
PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

CONCOURSE D ALL-USER RESTROOM

DETAILS - PARTITION TYPES

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	18
TYPE	CD
DISC. SHT. NO.	
PDX 2026-516	A11.01



ACCESSORY MOUNTING HEIGHTS

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.

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

REACH RANGES

CLEAR FLOOR SPACE FORWARD APPROACH

UNOBSTRUCTED
FORWARD REACH

UNOBSTRUCTED
SIDE REACH

OBSTRUCTED HIGH SIDE REACH

OBSTRUCTED HIGH FORWARD REACH

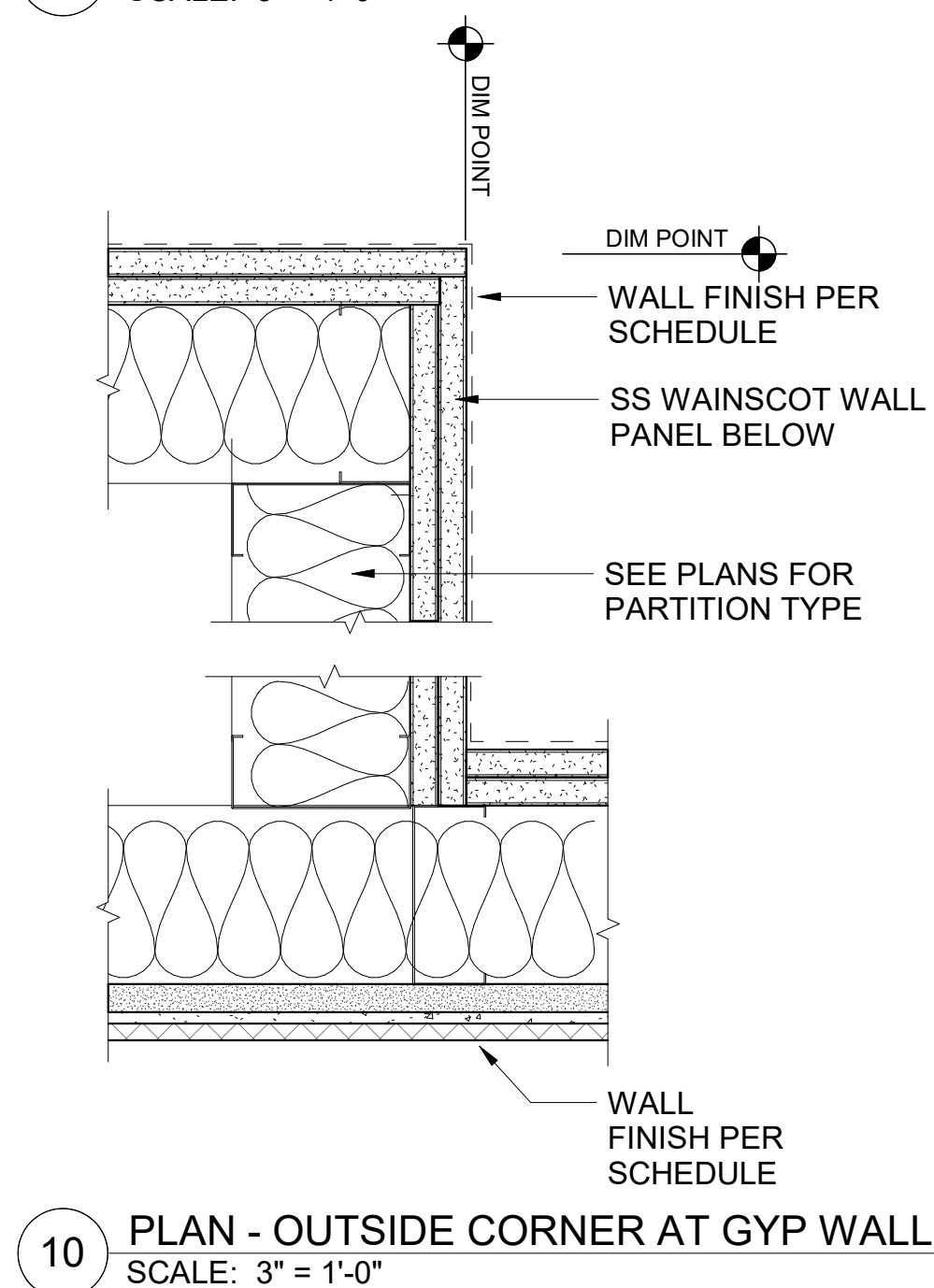
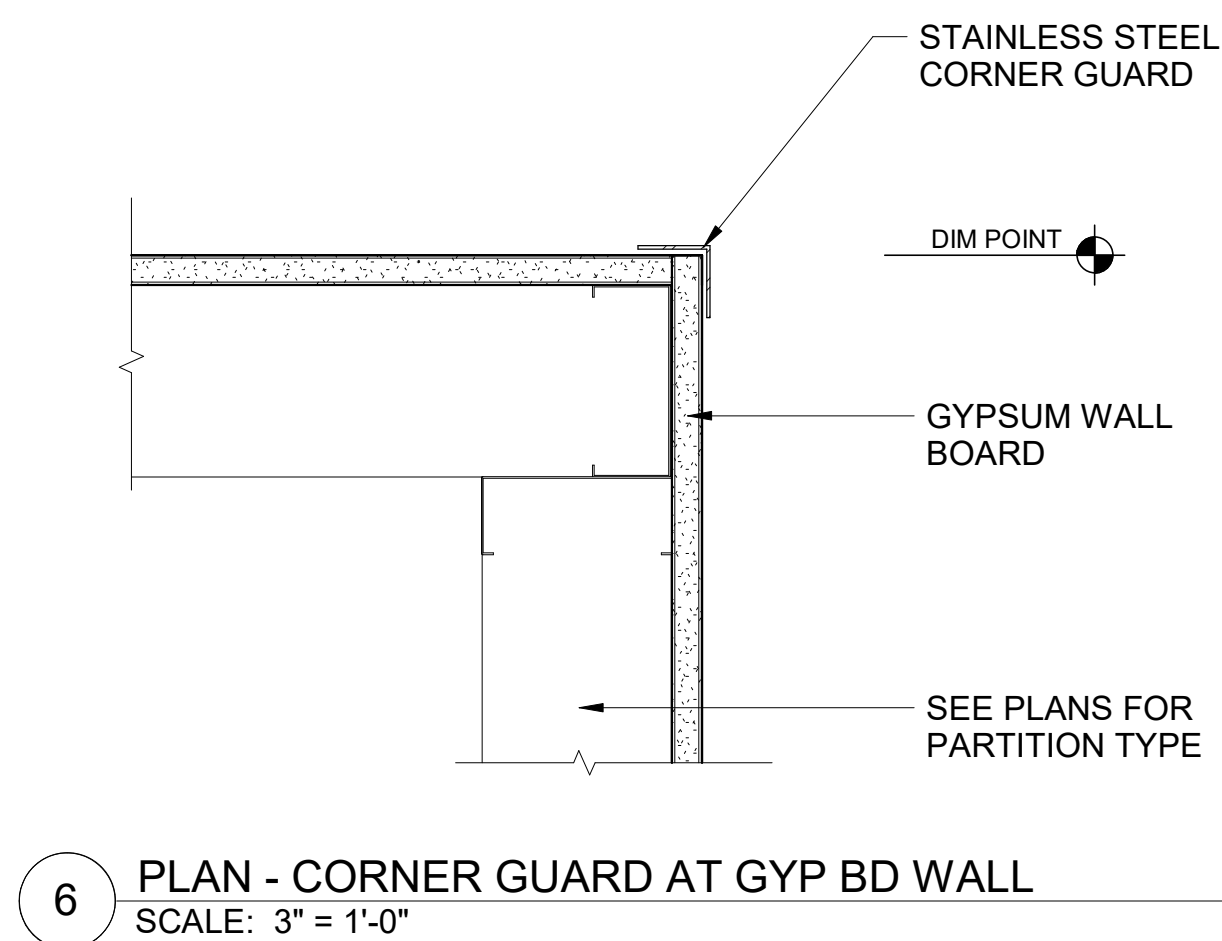
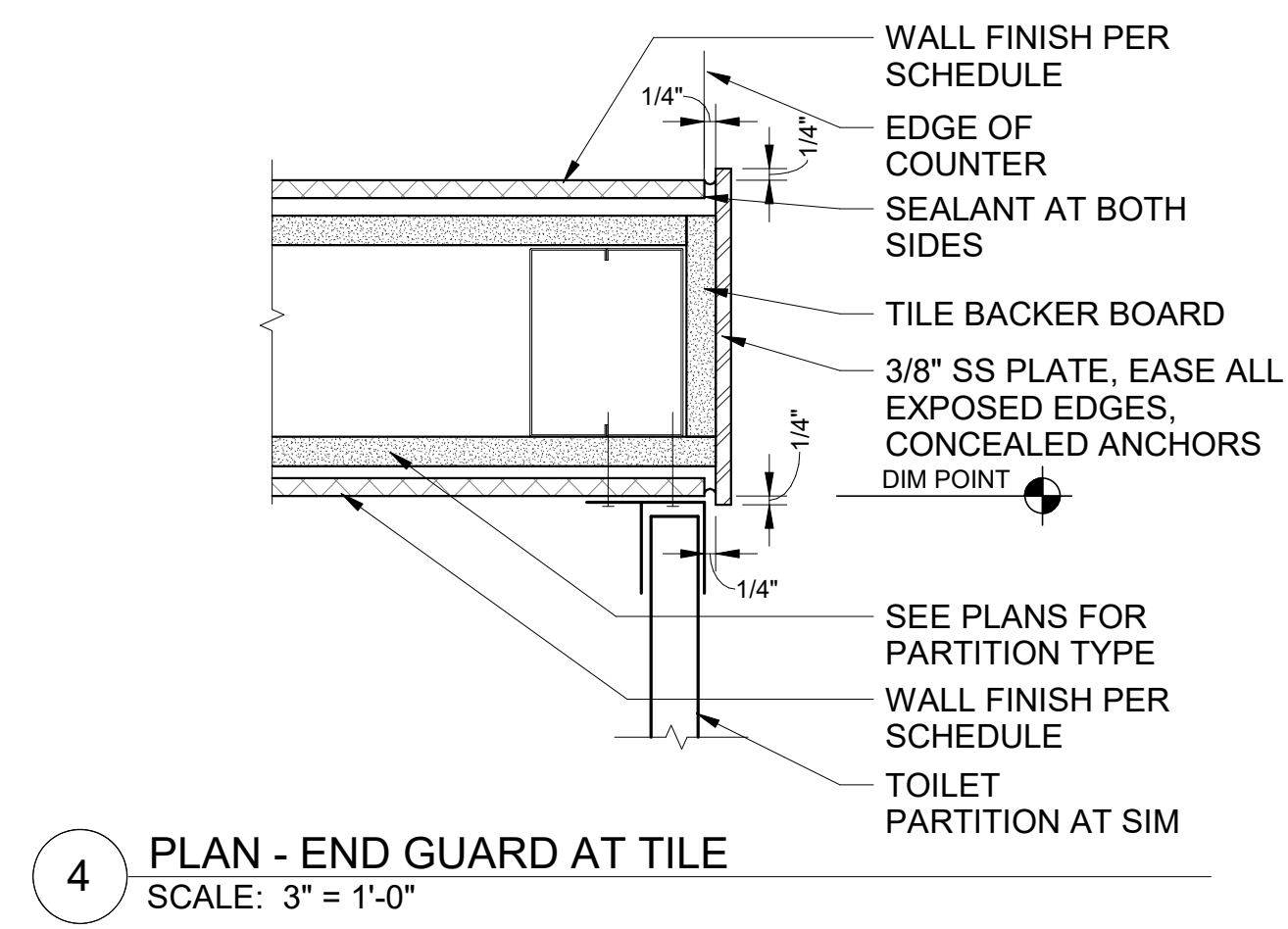
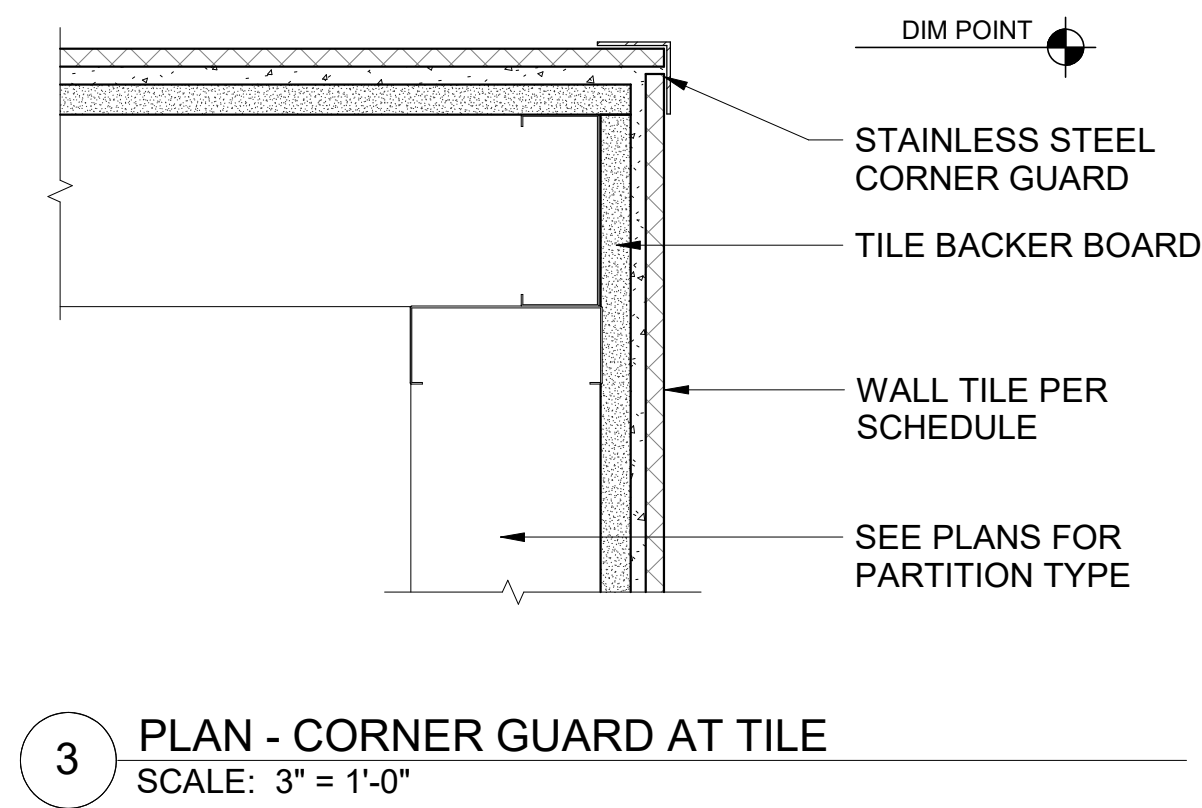
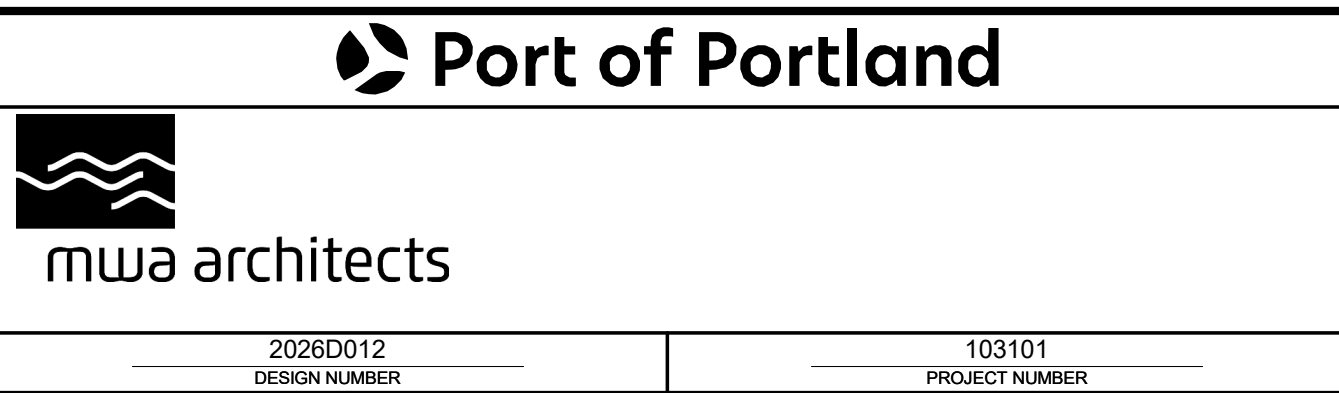
LIMITS OF PROTRUDING OBJECTS

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

[illegible]

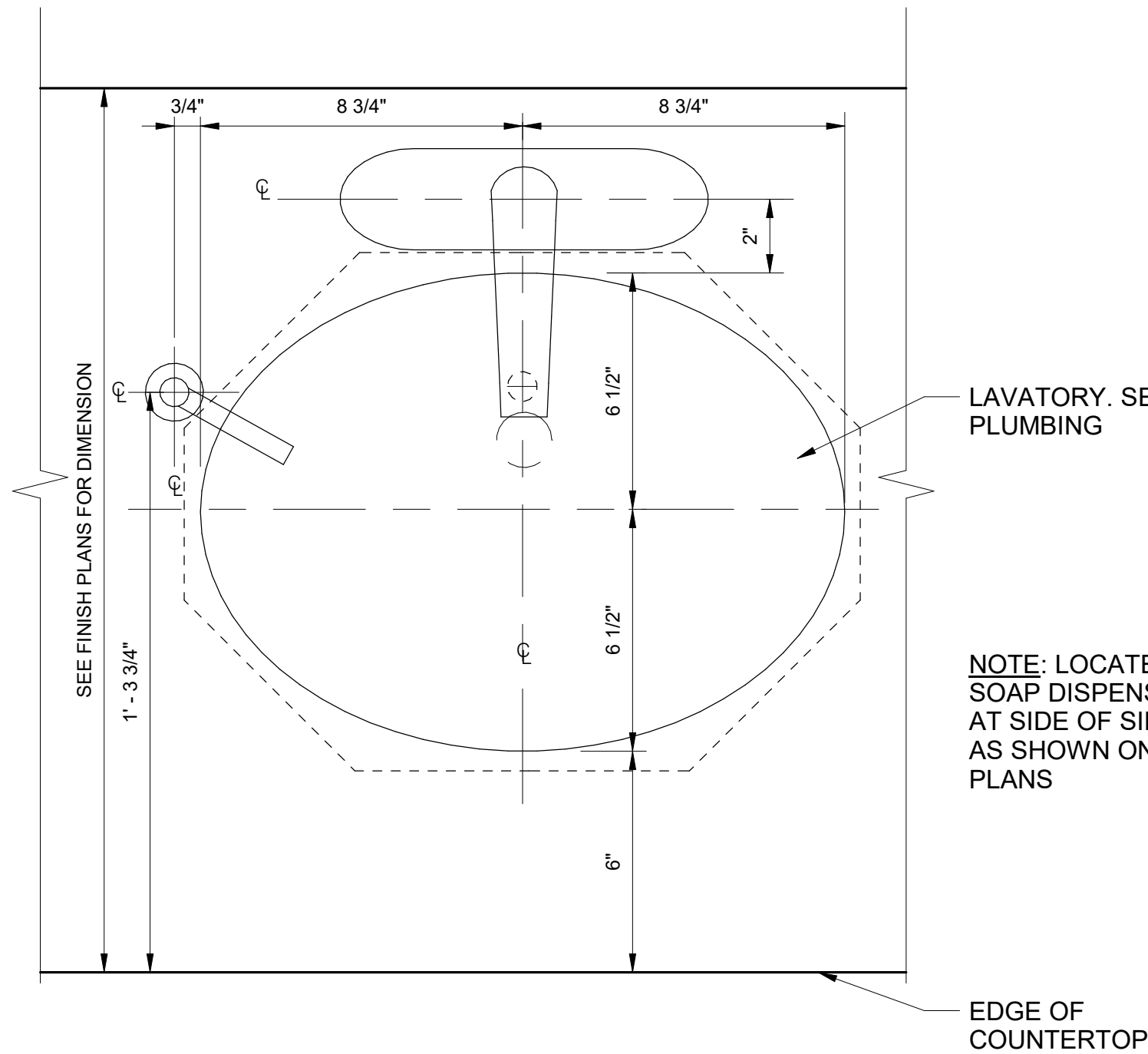
 Port of Portland	
 mwa architects	
2026D012 DESIGN NUMBER	103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT	SUBMITTED BY		BRIAN FRANCIS	
	DESIGNED BY		A. COOK	
CONCOURSE D ALL-USER RESTROOM	DRAWN BY		M. PHILLIPS	
	CHECKED BY		J. ROOT	
DETAILS - MOUNTING HEIGHTS	DATE		JULY 2026	
	SHEET NO.		19	TYPE CD
	DRAWING NO.		PDX 2026-516	DISC. SHT. NO.
				A11.02

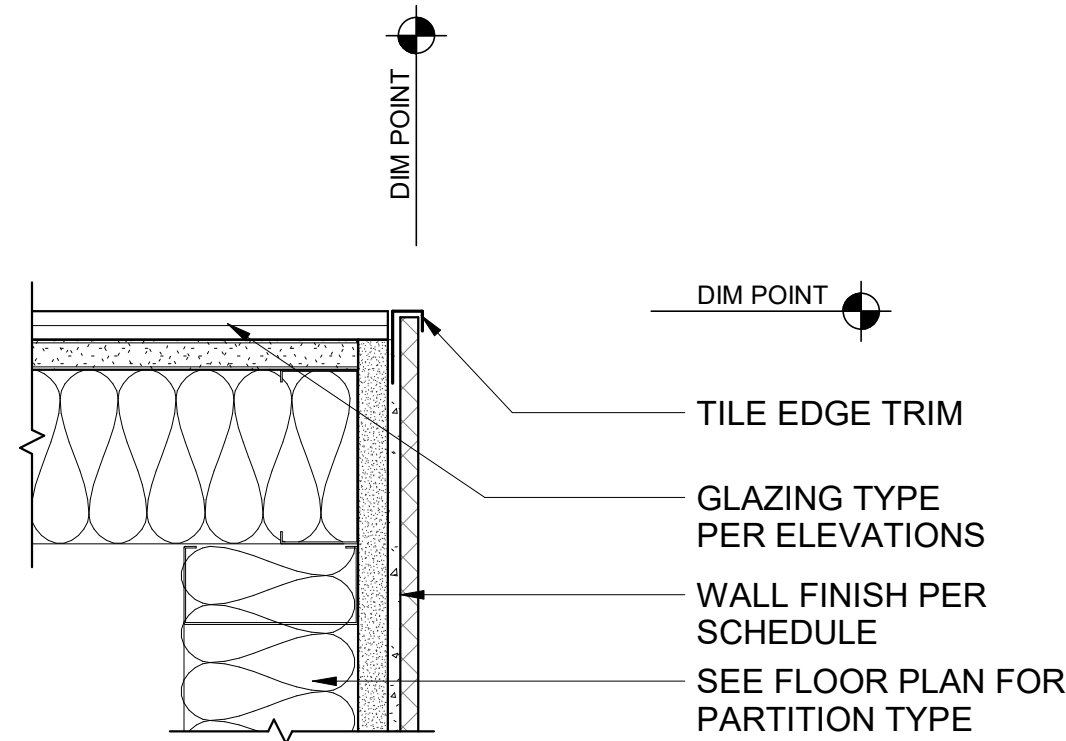
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PORTLAND INTERNATIONAL AIRPORT	SUBMITTED BY		BRIAN FRANCIS	
	DESIGNED BY		A. COOK	
CONCOURSE D ALL-USER RESTROOM	DRAWN BY		M. PHILLIPS	
	CHECKED BY		J. ROOT	
DETAILS - PLAN 1	DATE		JULY 2026	
	SHEET NO.		20	TYPE CD
	DRAWING NO.		DISC. SHT. NO.	
	PDX 2026-516		A11.03	

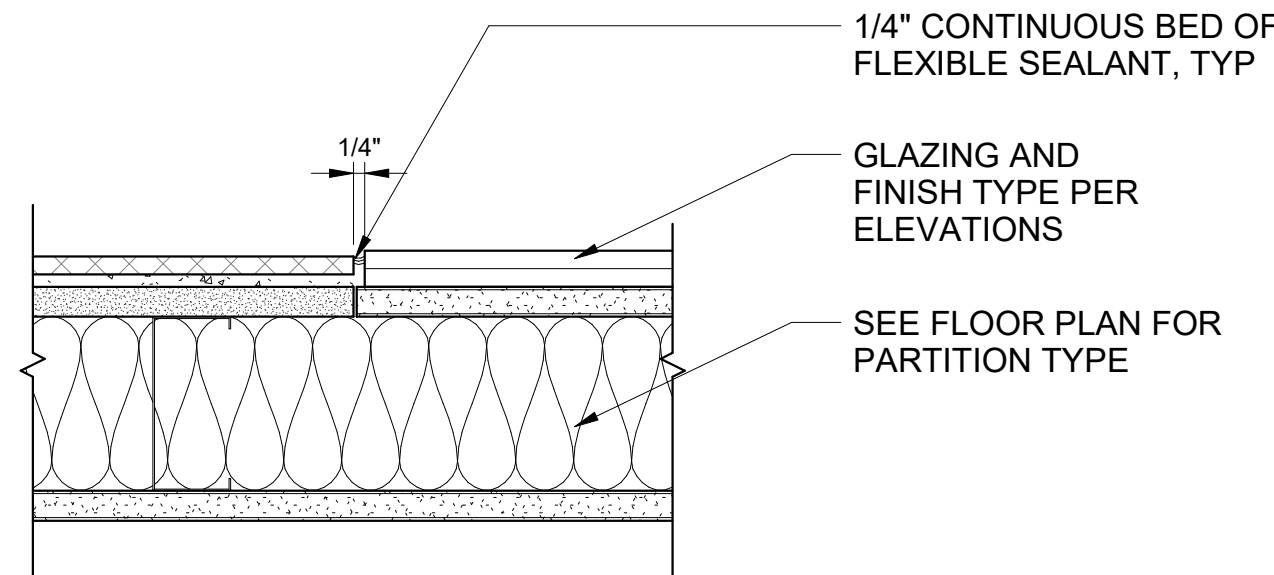
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



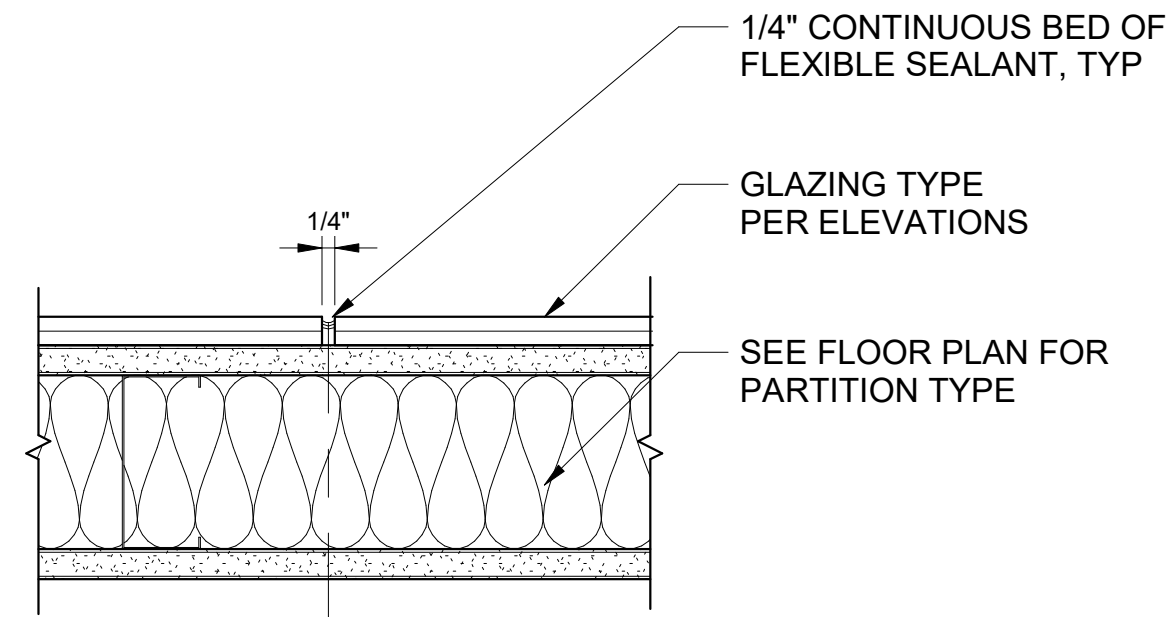
1 PLAN - LAVATORY - TYPICAL
SCALE: 3" = 1'-0"



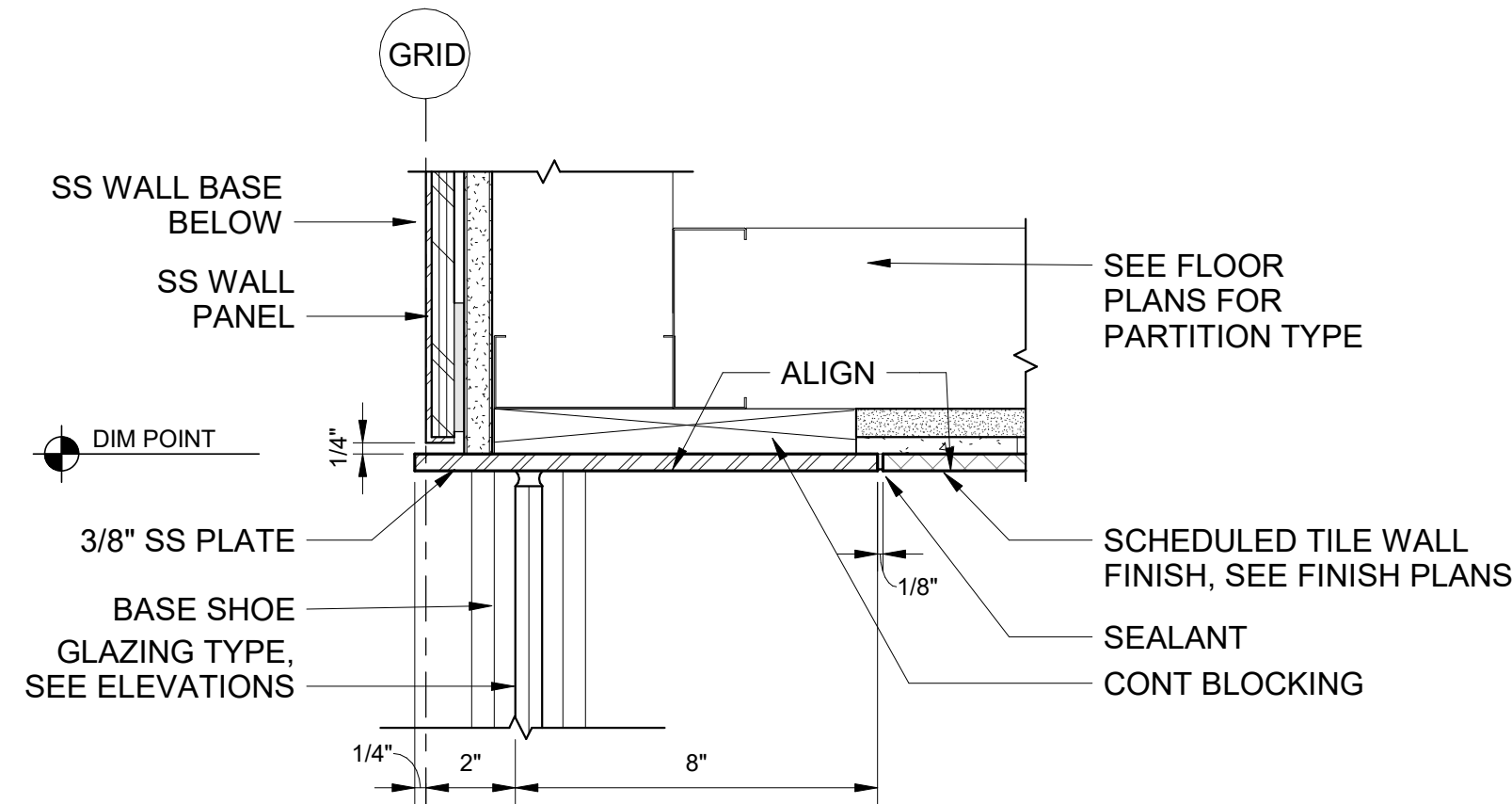
2 PLAN - CORNER AT GLASS AND TILE
SCALE: 3" = 1'-0"



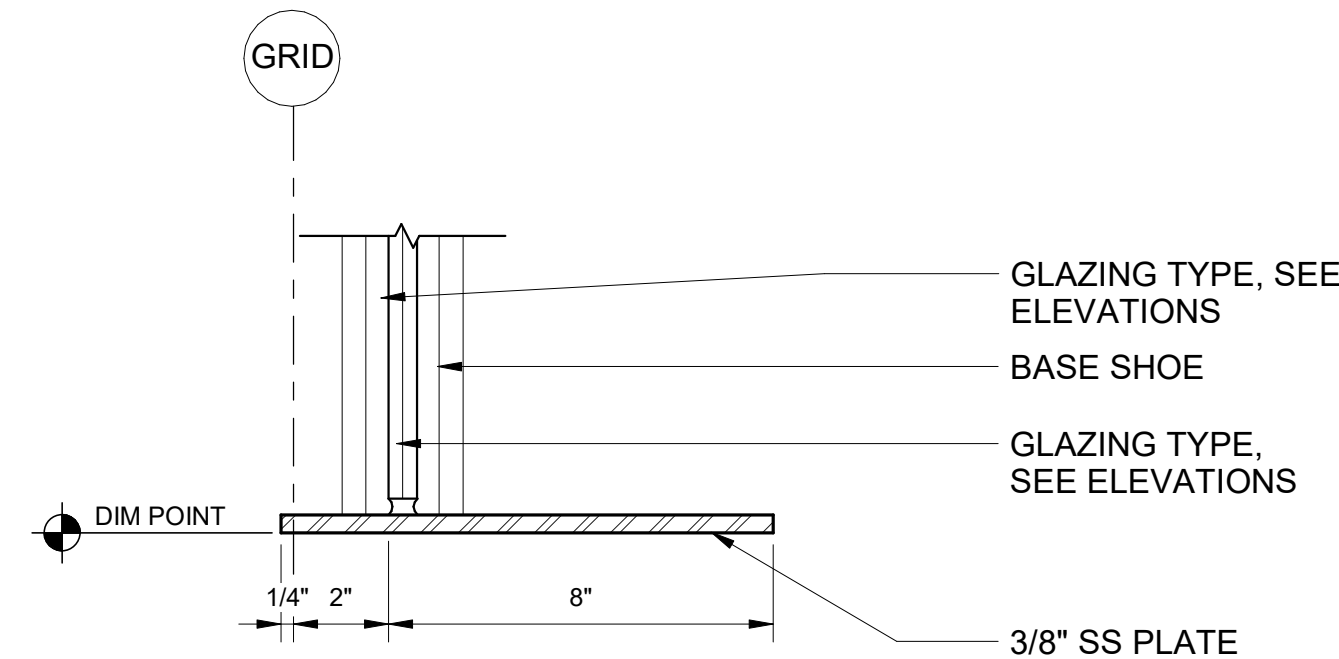
3 PLAN - JOINT AT GLASS PANEL AT TILE
SCALE: 3" = 1'-0"



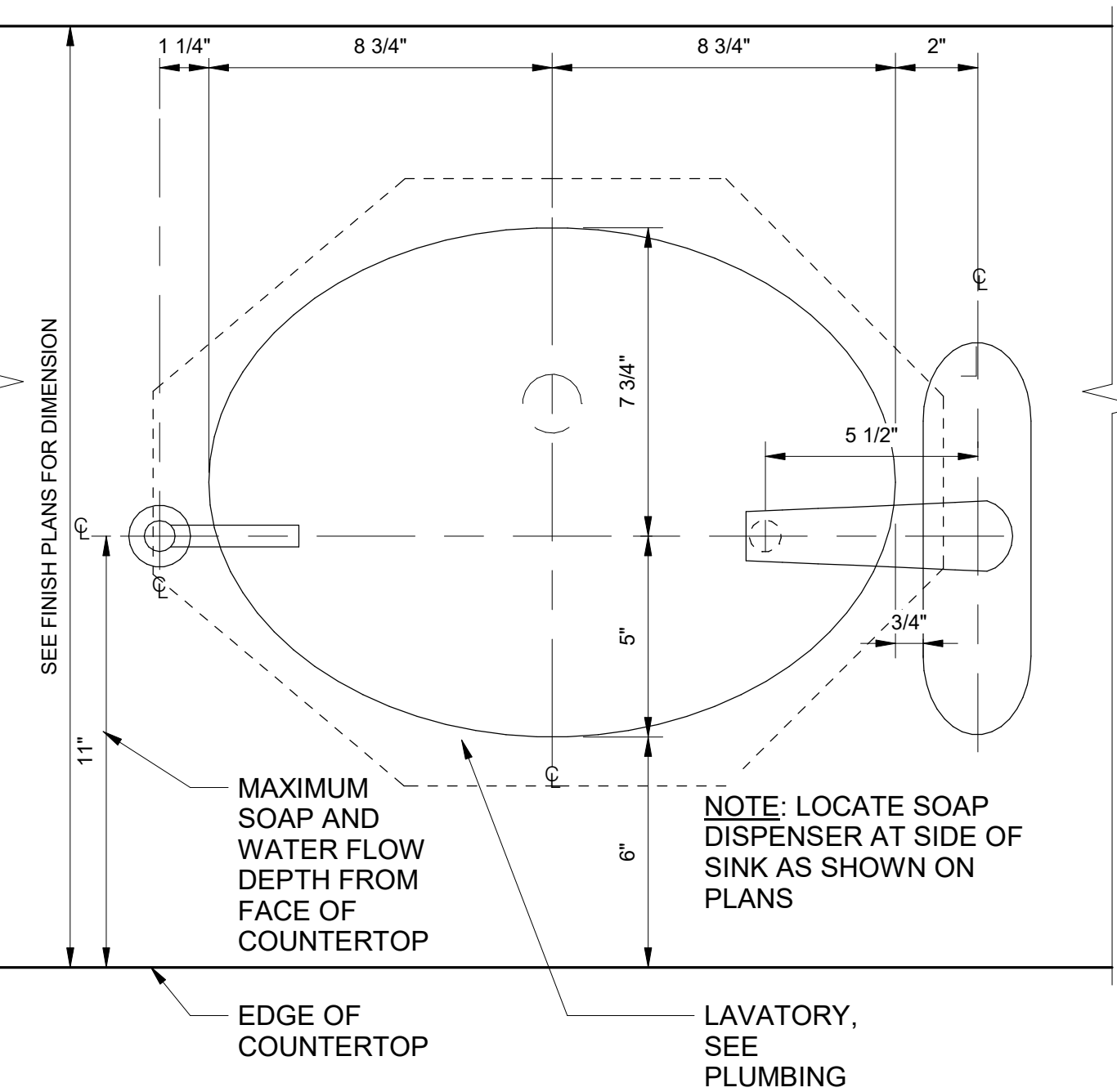
4 PLAN - TYPICAL GLASS PANEL JOINT
SCALE: 3" = 1'-0"



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

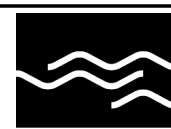


12 PLAN - ALL-GLASS STOREFRONT JAMB AT ENTRY
SCALE: 3" = 1'-0"



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

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DESIGN NUMBER

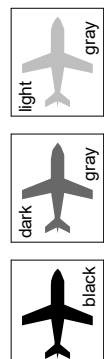
103101
PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

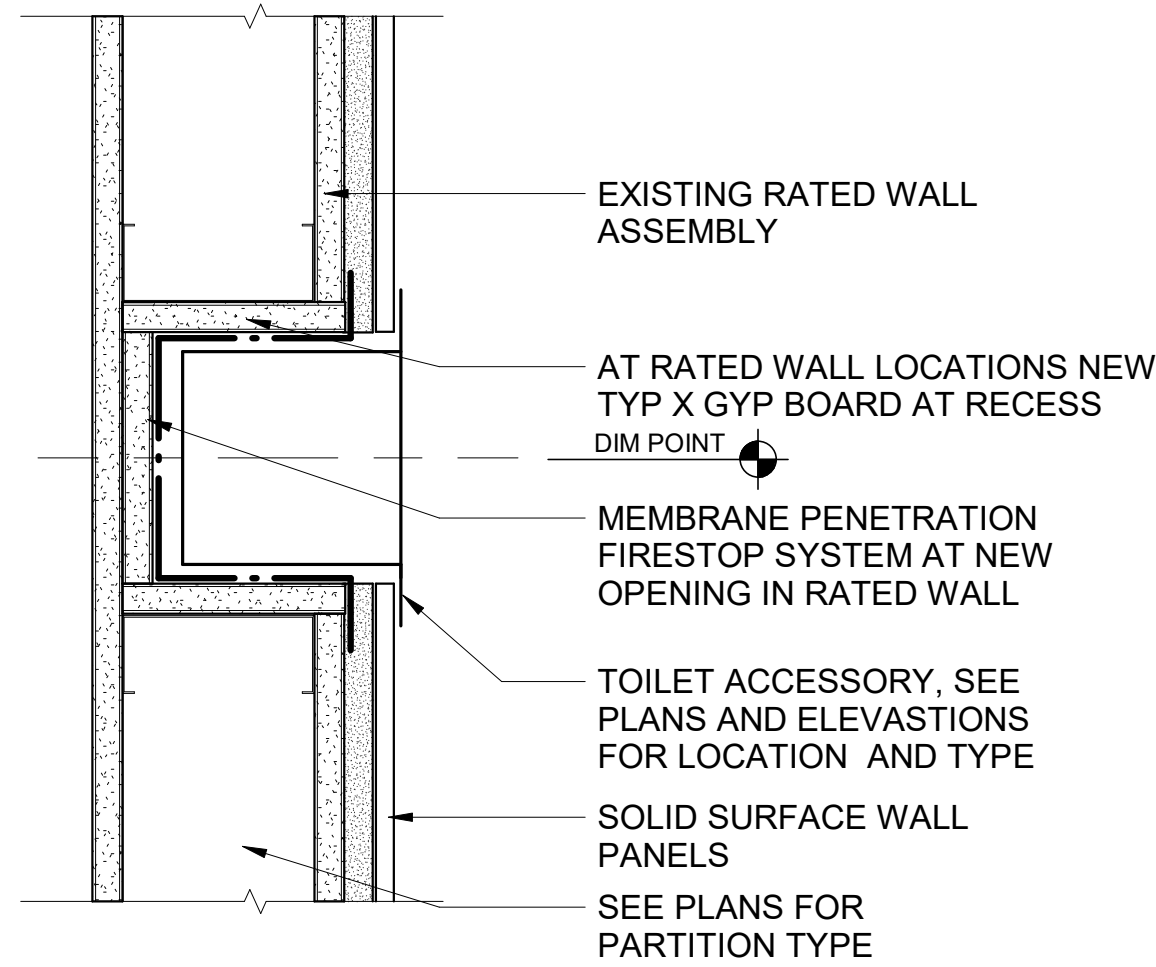
CONCOURSE D ALL-USER RESTROOM

DETAILS - PLAN 2

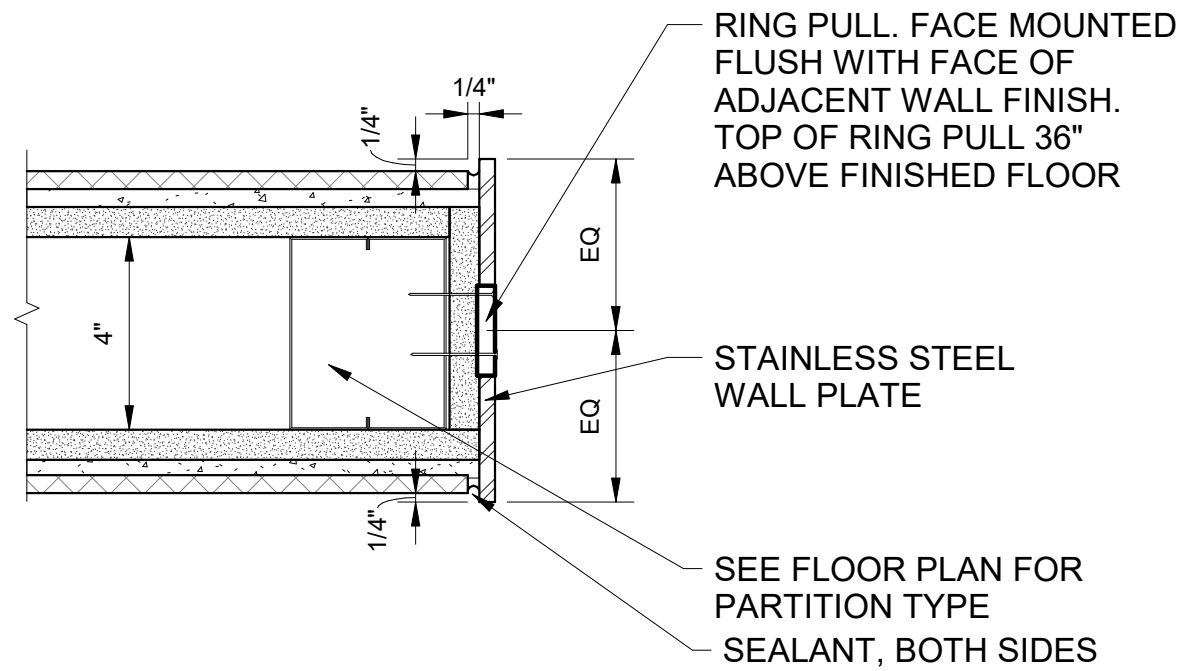
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	21
TYPE	CD
DISC. SHT. NO.	A11.04



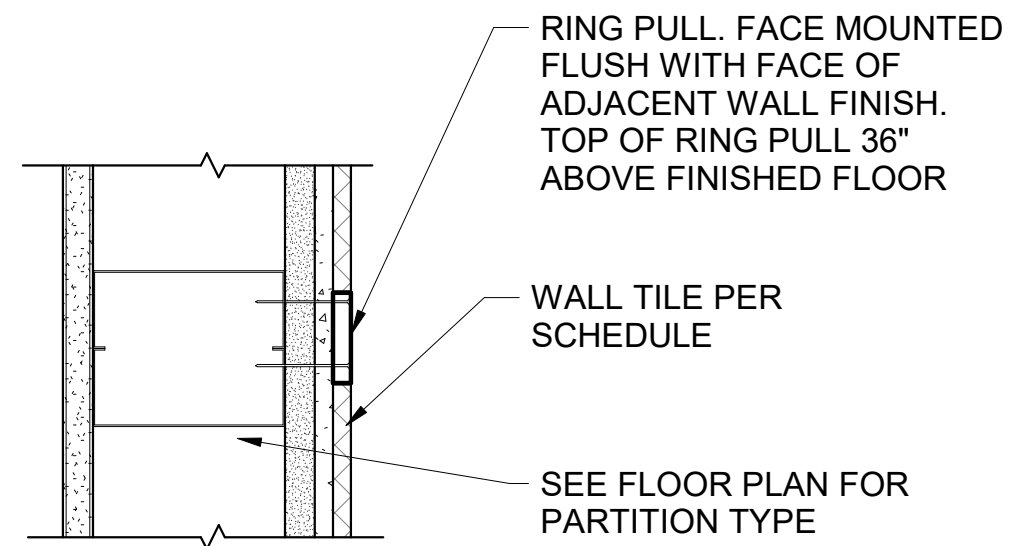
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



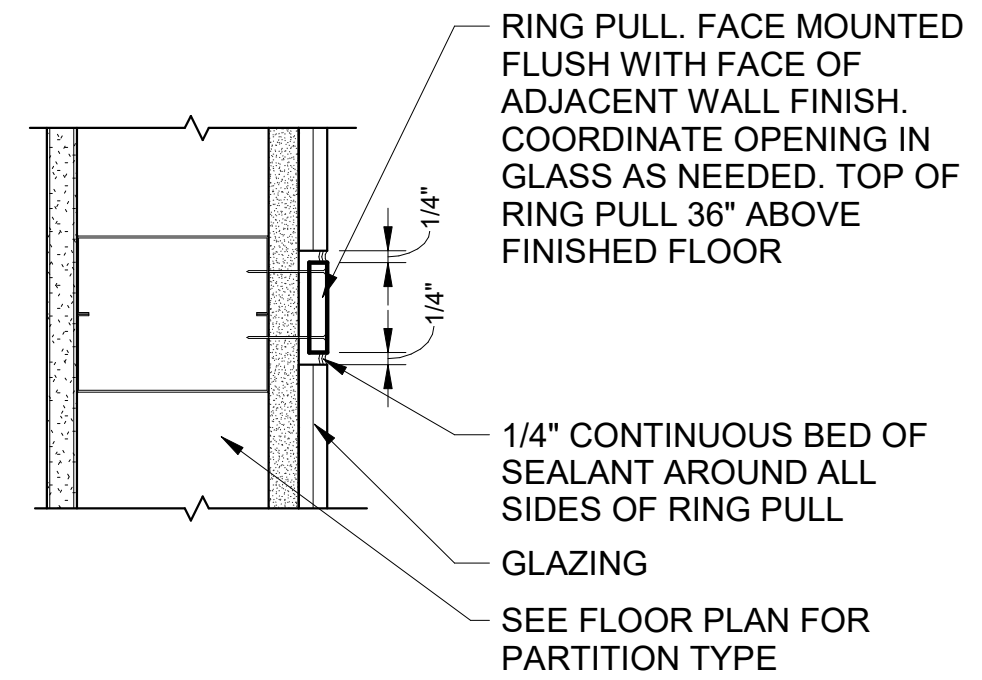
1 PLAN - RECESSED TOILET ACCESSORY
SCALE: 3" = 1'-0"



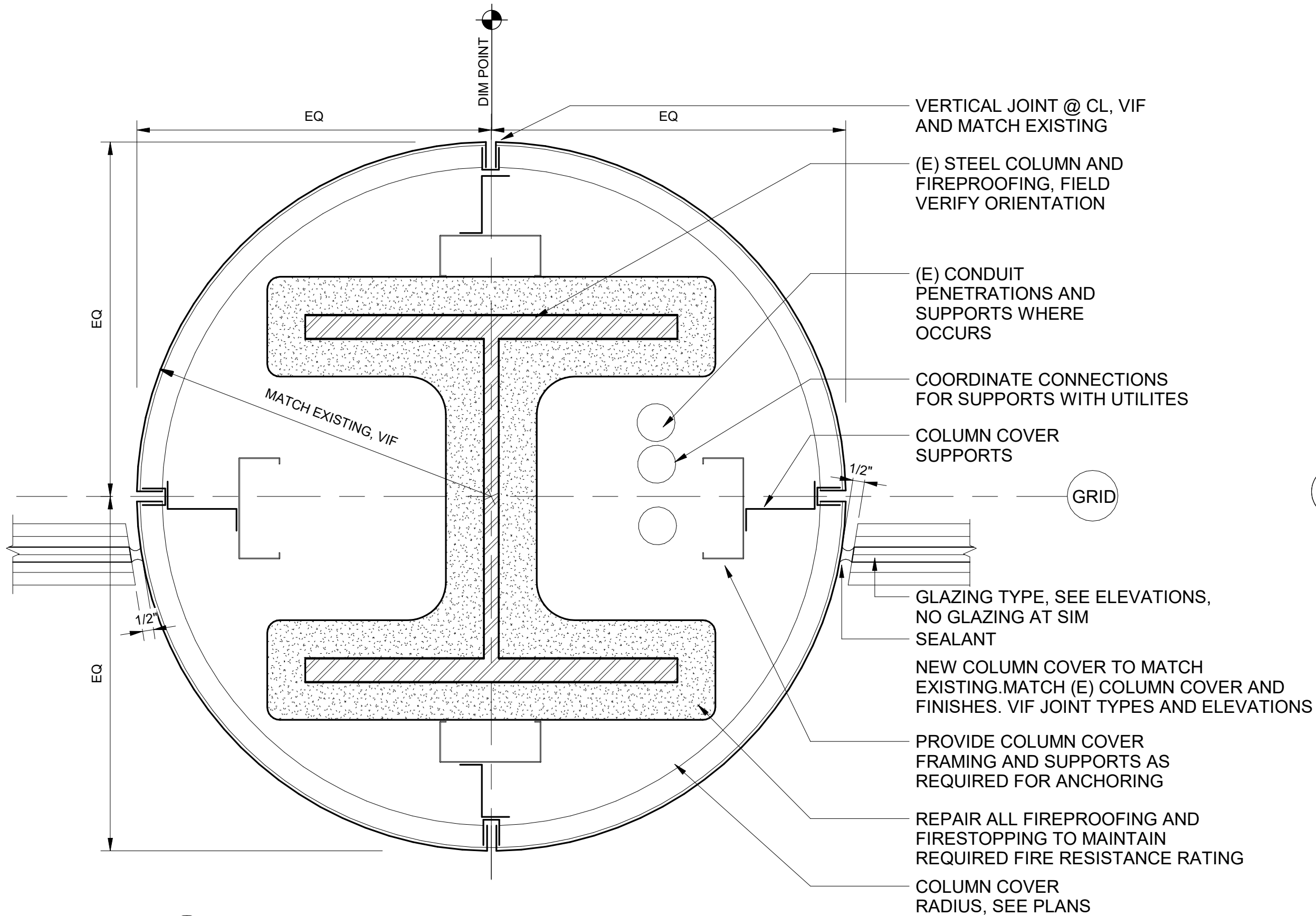
2 PLAN - RING PULL AT SS PLATE
SCALE: 3" = 1'-0"



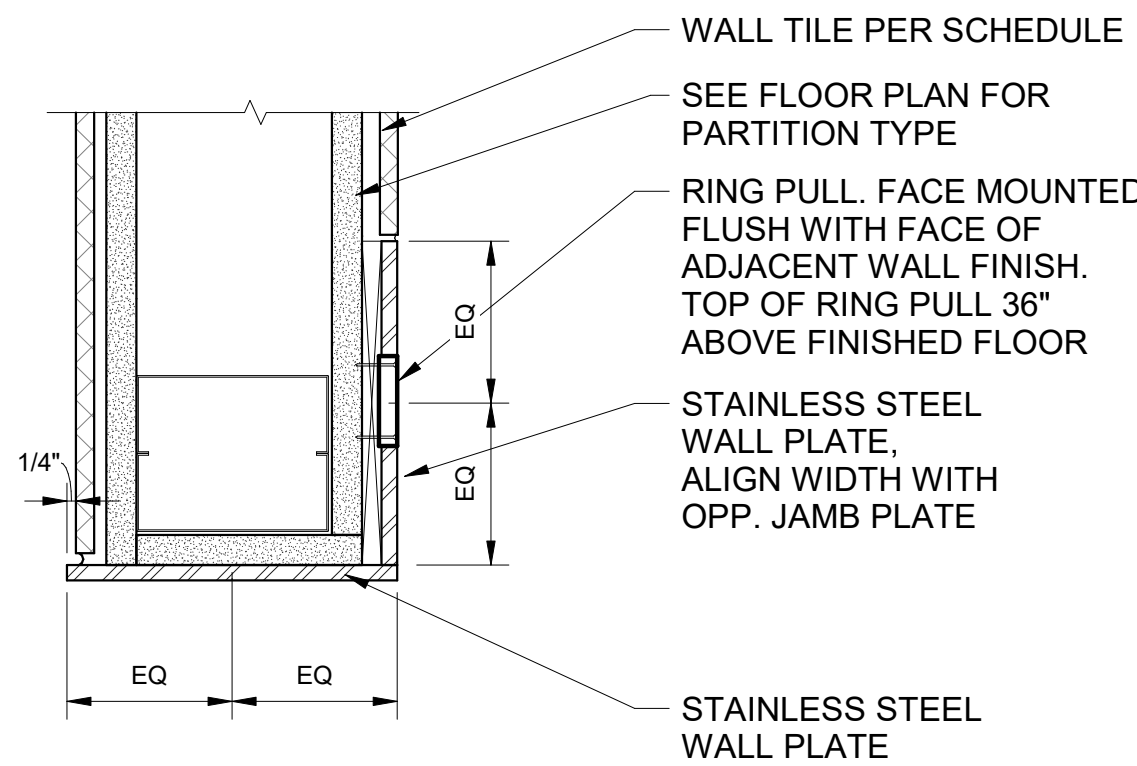
3 PLAN - RING PULL AT TILE
SCALE: 3" = 1'-0"



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

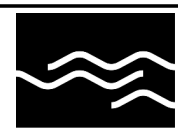


5 PLAN - COLUMN COVER
SCALE: 3" = 1'-0"



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

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DESIGN NUMBER

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PORTLAND INTERNATIONAL AIRPORT

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DETAILS - PLAN 3

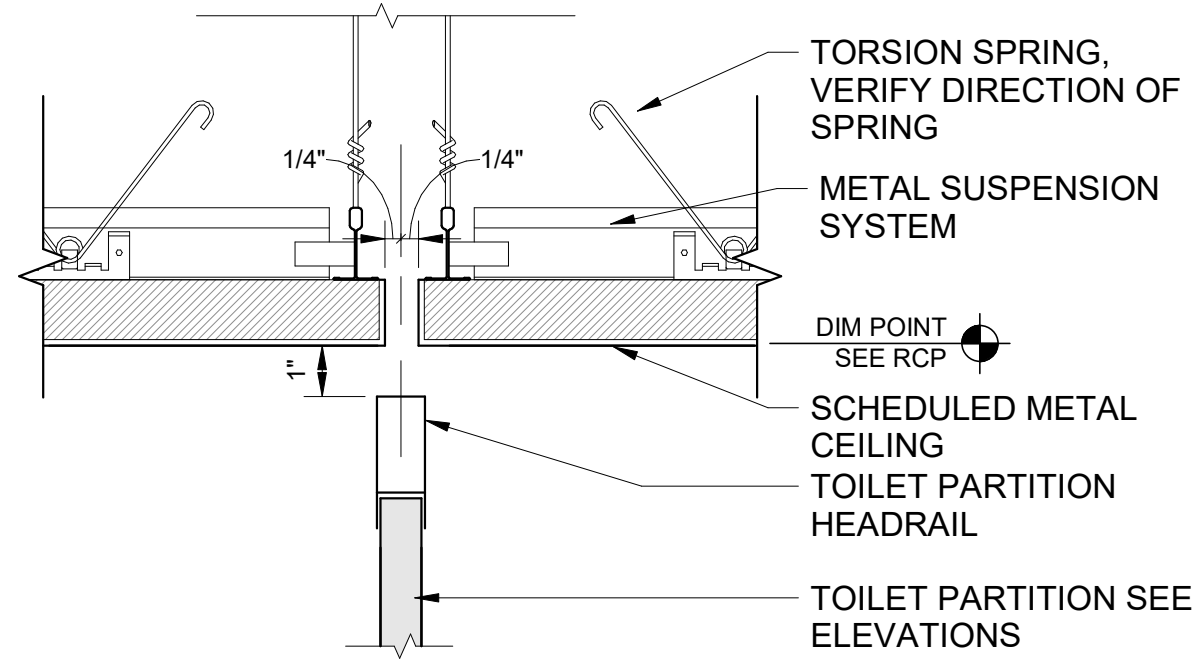
SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	22
TYPE	CD
DRAWING NO.	PDX 2026-516
DISC. SHT. NO.	A11.05



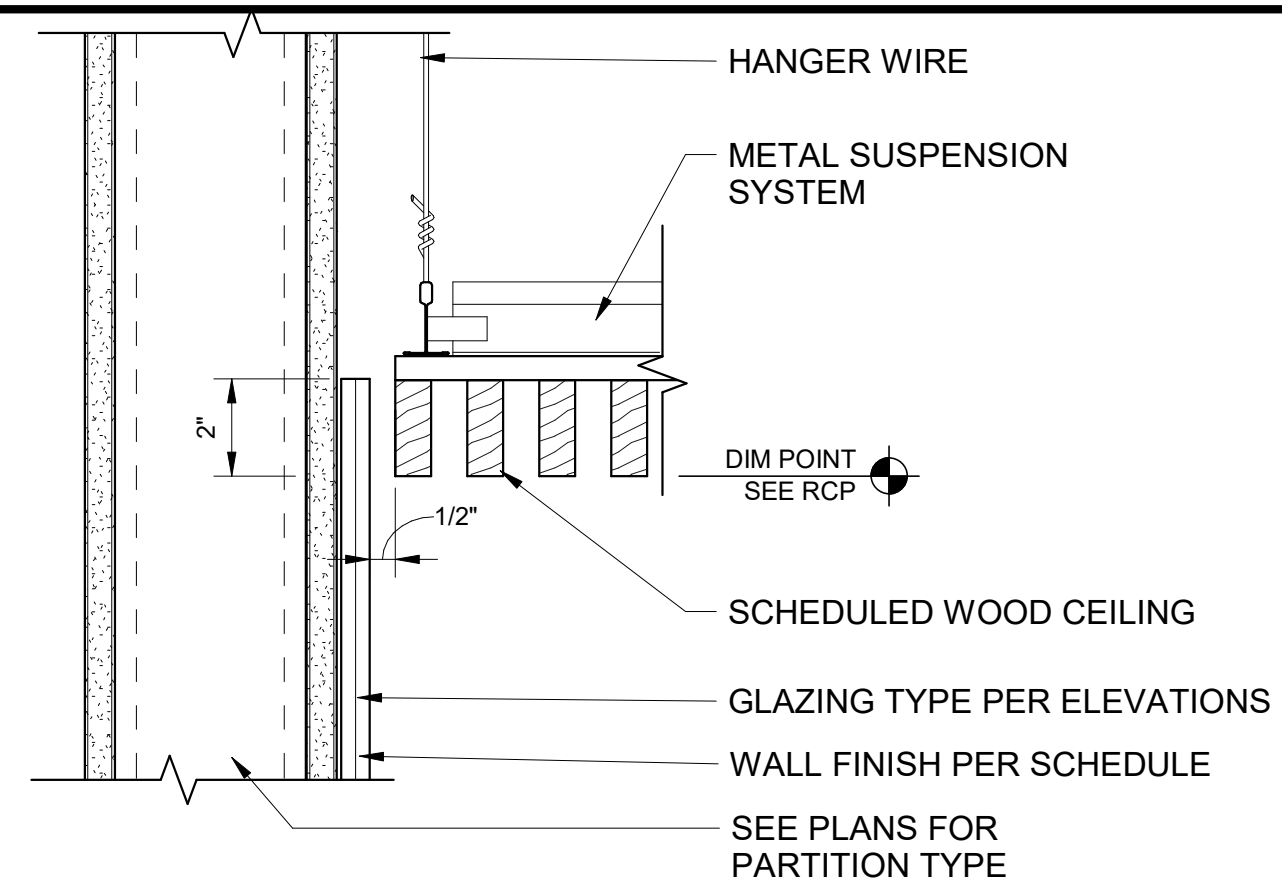
 Port of Portland	
 mwa architects	
2026D012 DESIGN NUMBER	103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT CONCOURSE D ALL-USER RESTROOM DETAILS - SECTION 1	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 2026-516	DISC. SHT. NO. A11.06

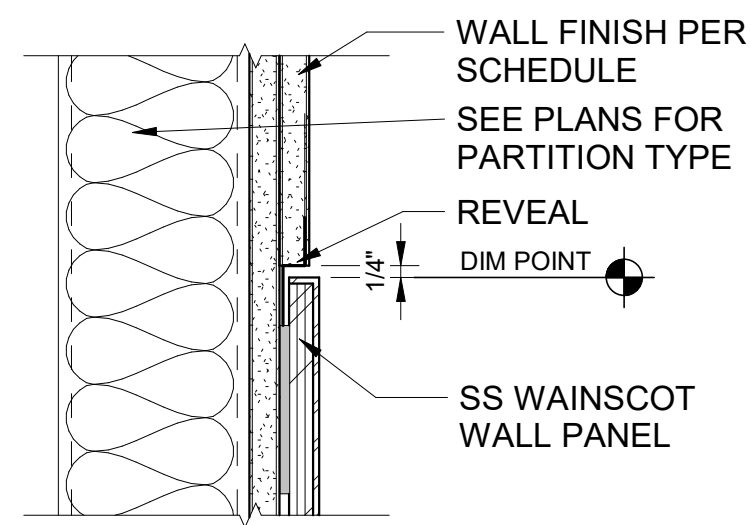
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



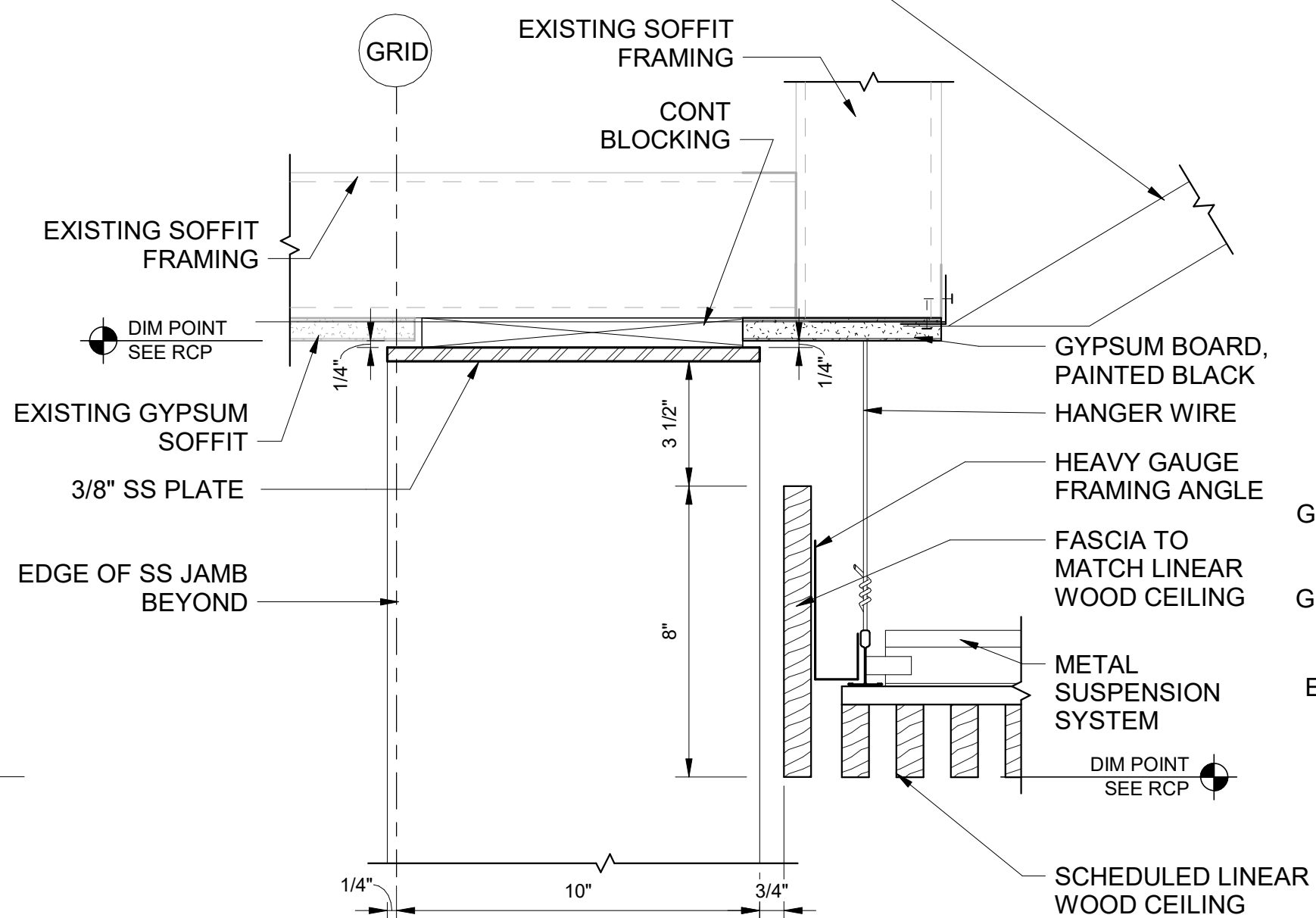
1 SECTION - METAL CEILING AT TOILET PARTITION
SCALE: 3" = 1'-0"



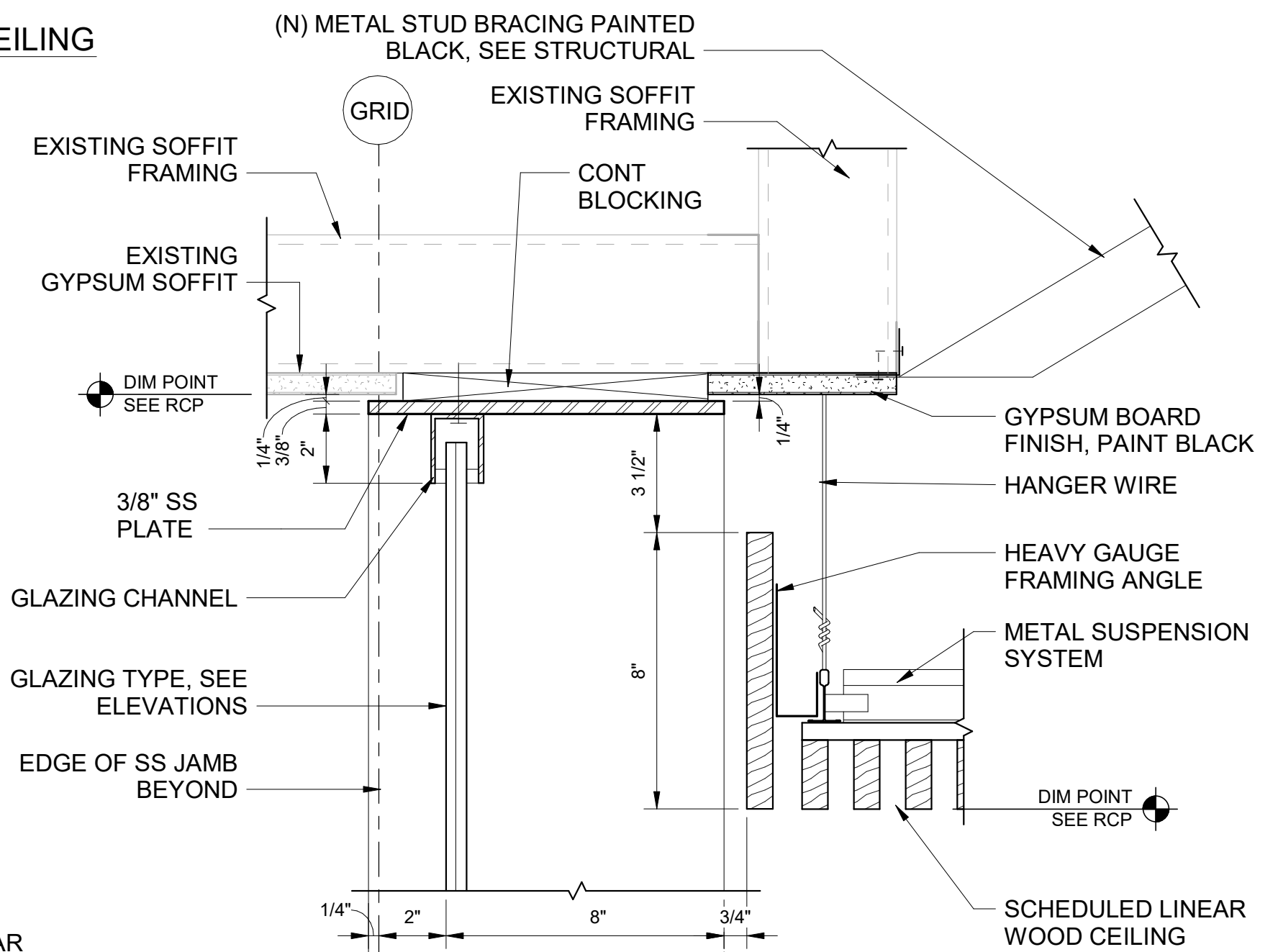
3 SECTION - GLASS WALL PANEL AT LINEAR WOOD CEILING
SCALE: 3" = 1'-0"



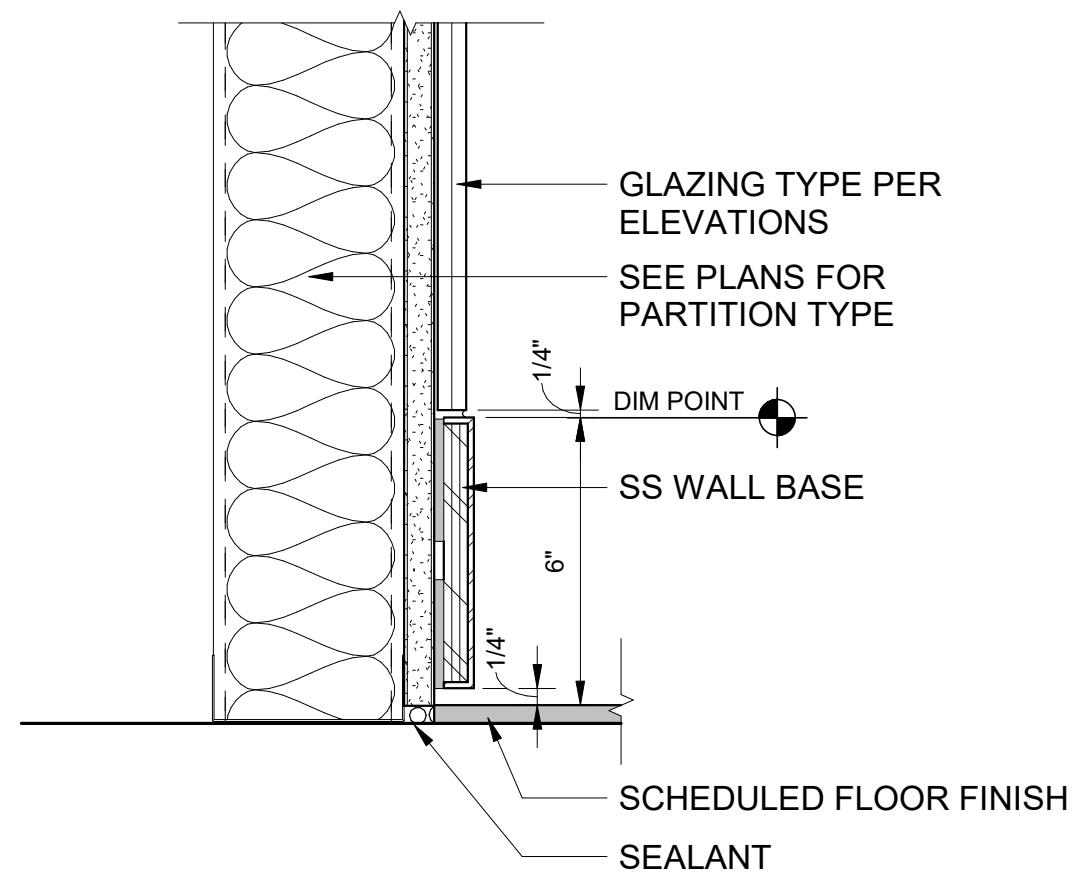
6 SECTION - TOP OF SS WAINSCOT
SCALE: 3" = 1'-0"



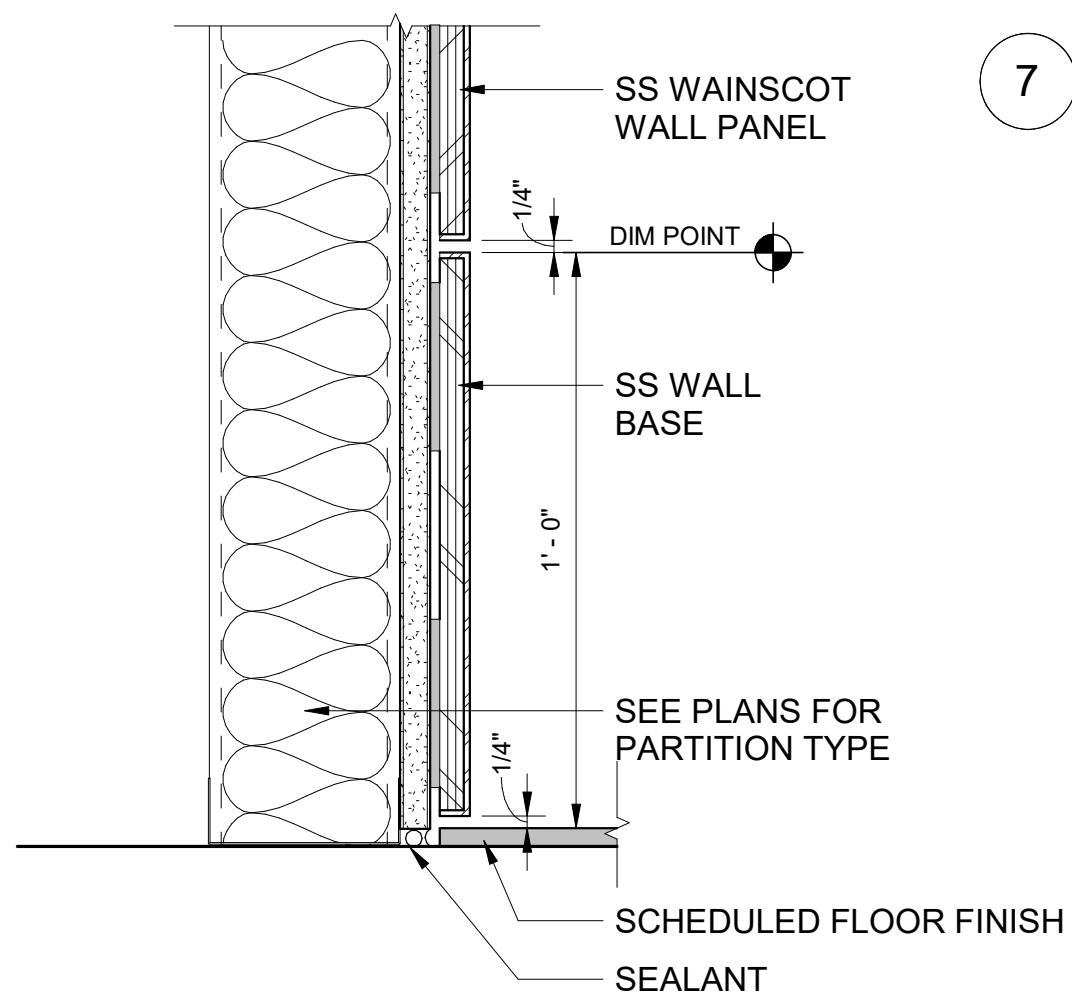
7 SECTION - LINEAR WOOD CEILING AT ENTRY
SCALE: 3" = 1'-0"



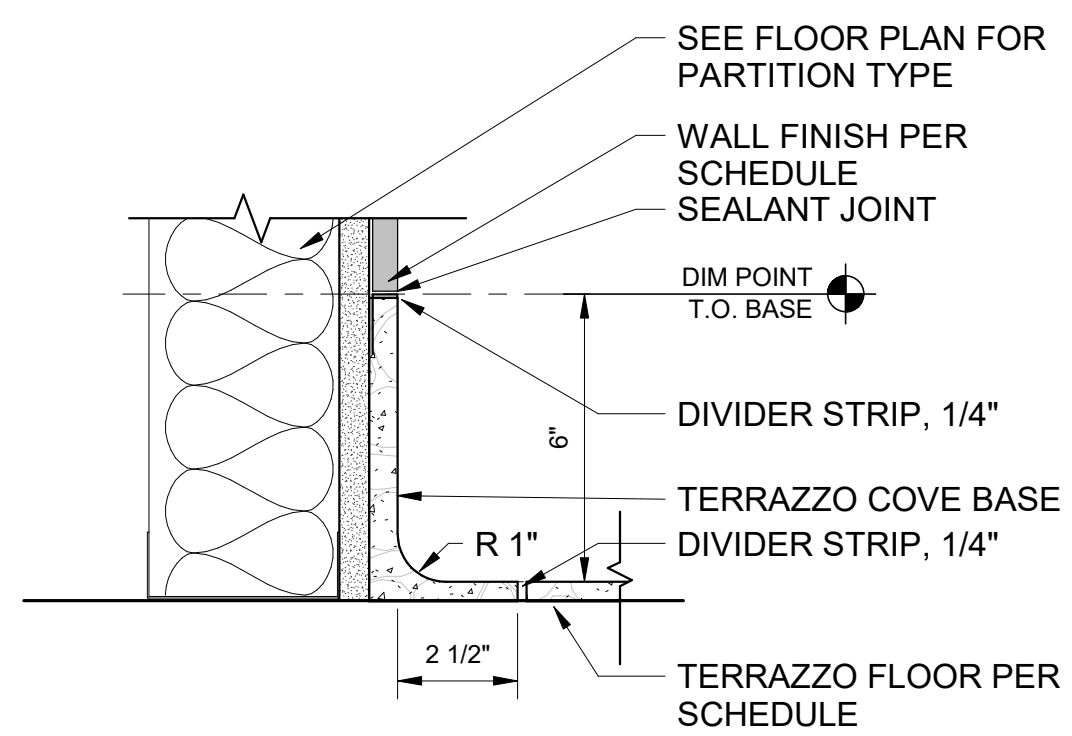
8 SECTION - LINEAR WOOD AT GLAZING CHANNEL
SCALE: 3" = 1'-0"



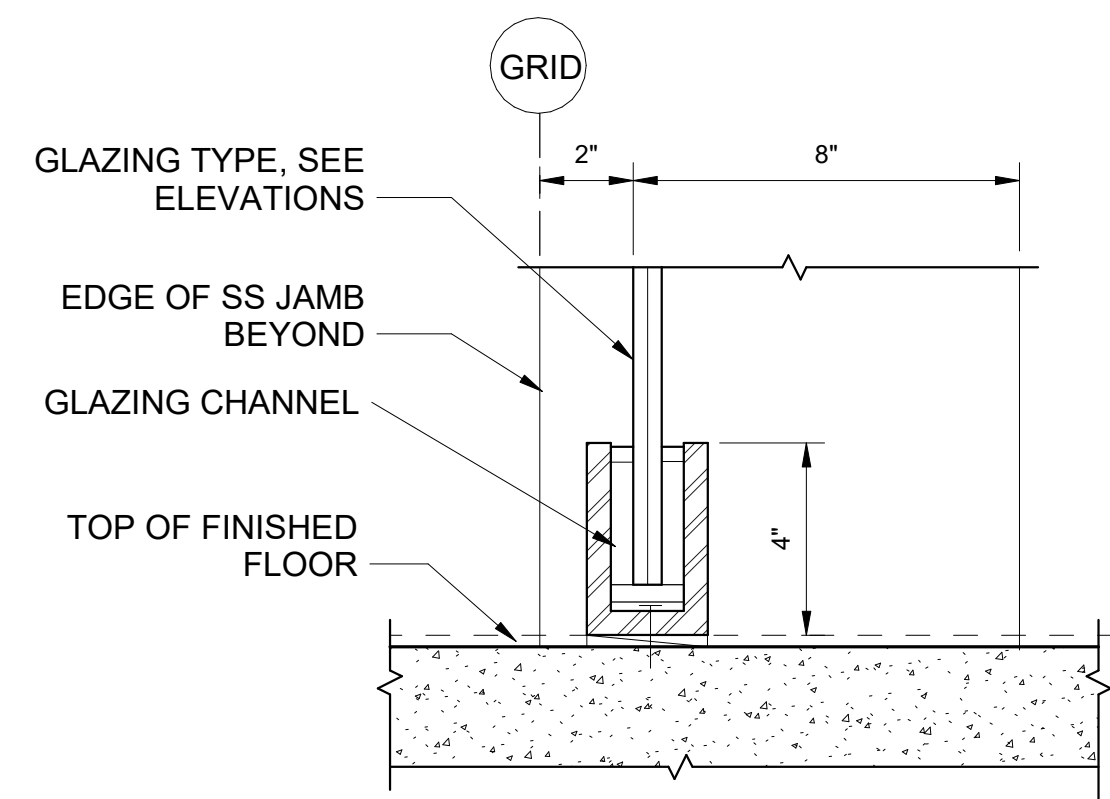
9 SECTION - SS WALL BASE AT GLAZING
SCALE: 3" = 1'-0"



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

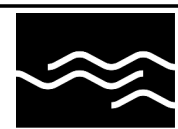


11 SECTION - TERRAZZO COVE BASE
SCALE: 3" = 1'-0"



12 SECTION - GLAZING SHOE
SCALE: 3" = 1'-0"

Port of Portland



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2026D012
DESIGN NUMBER

103101
PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT

CONCOURSE D ALL-USER RESTROOM

DETAILS - SECTION 2

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	24
DRAWING NO.	PDX 2026-516
TYPE	CD
DISC. SHT. NO.	A11.07

GRAPHIC SCALE-FOR REFERENCE ONLY

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

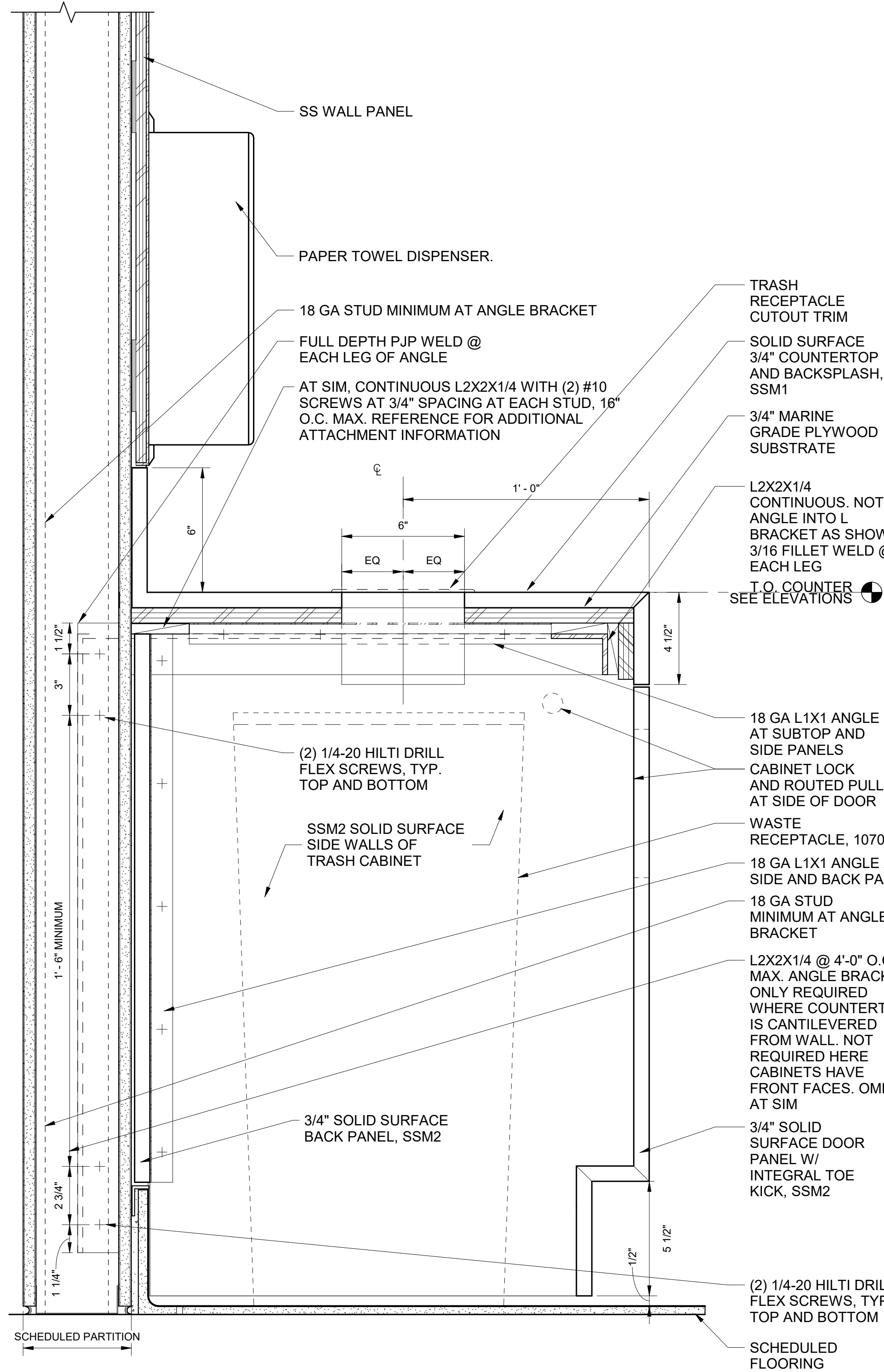


 Port of Portland	
 mwa architects	
2026D012 DESIGN NUMBER	103101 PROJECT NUMBER

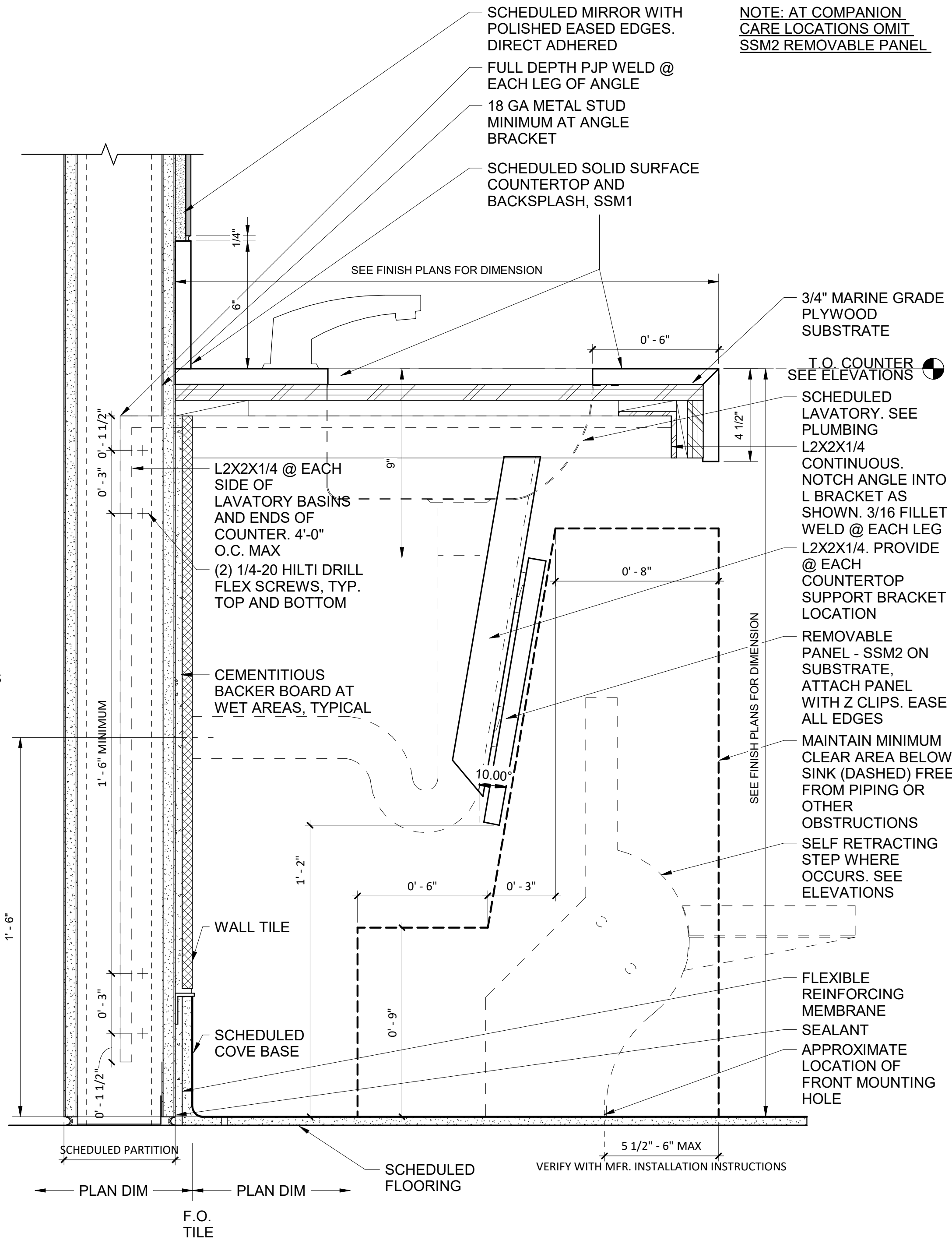
PORTLAND INTERNATIONAL AIRPORT	SUBMITTED BY		BRIAN FRANCIS	
	DESIGNED BY		A. COOK	
CONCOURSE D ALL-USER RESTROOM	DRAWN BY		M. PHILLIPS	
	CHECKED BY		J. ROOT	
DETAILS - SECTION 3	DATE		JULY 2026	
	SHEET NO.		25	TYPE CD
	DRAWING NO.		DISC. SHT. NO.	
	PDX 2026-516		A11.08	



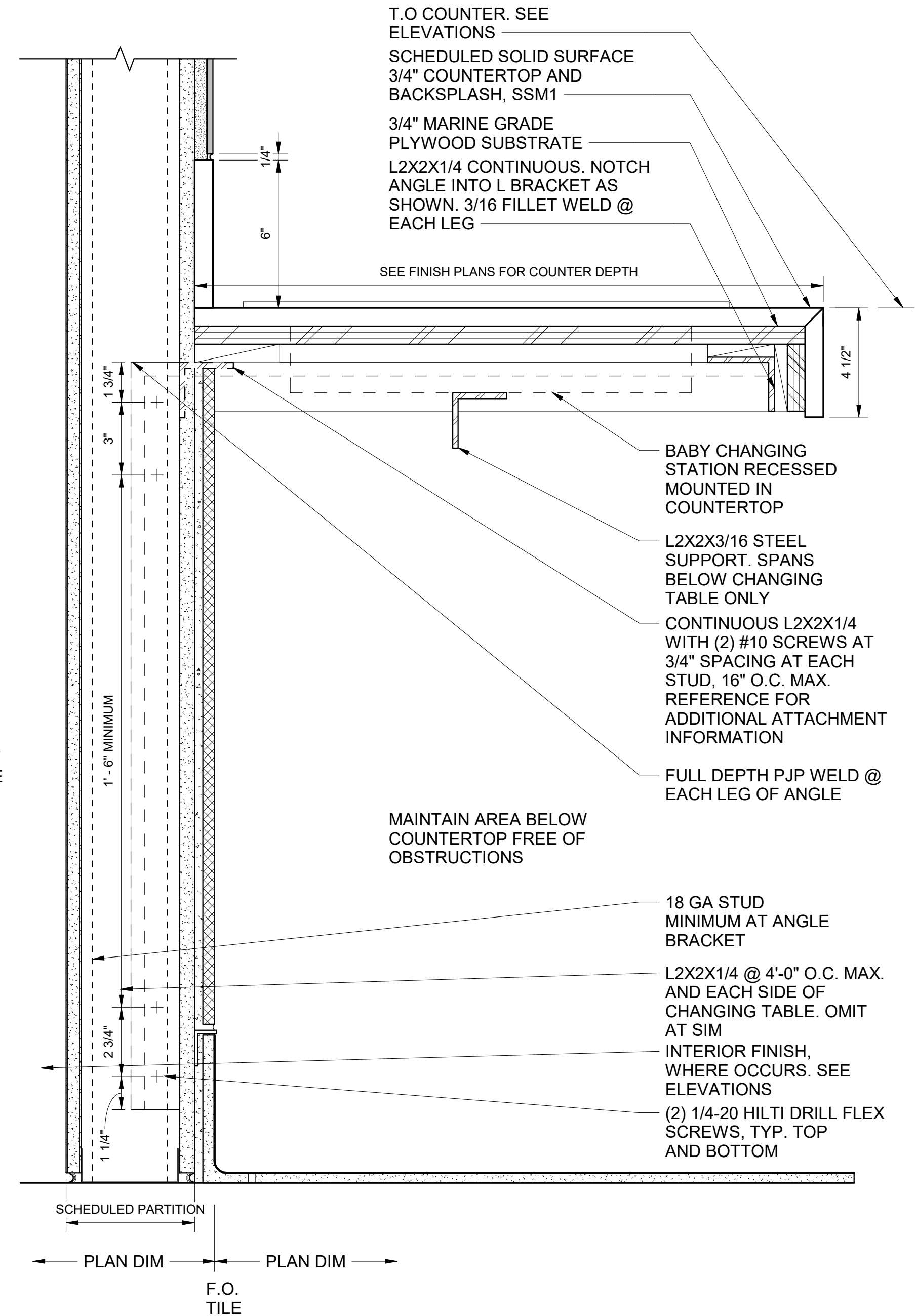
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



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



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



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



2026D012
DESIGN NUMBER

103101
PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT
CONCOURSE D ALL-USER RESTROOM

DETAILS - SECTION 4

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	A. COOK
DRAWN BY	M. PHILLIPS
CHECKED BY	J. ROOT
DATE	JULY 2026
SHEET NO.	26
TYPE	CD
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.

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

GRAPHIC SCALE FOR REFERENCE ONLY

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
STRUCTURAL STEEL	X		
STEEL STUDS	X		
STEEL WELDING PROCEDURES	X		
SEE SHEET A0.01-A, 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:
LATERAL CRITERIA:
SEISMIC.....I_p = 1.0 OR 1.5 (REF. ASCE 7-22) RISK CATEGORY III
S_S = 0.90g S₁ = 0.33g
S_{as} = 0.81g
SEISMIC DESIGN CATEGORY D

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.

GENERAL STRUCTURAL NOTES

CONCRETE AND REINFORCING STEEL:

1. 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.
2. 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.

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. ANGLES (U.N.O.).....ASTM A36

B. HOLLOW STRUCTURAL SECTIONS (ROUND).....ASTM A500 GRADE C (F_y = 46 KSI)

C. 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. ALL COMPLETE JOINT PENETRATION WELDS FOR NON-SEISMIC RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CVN TOUGHNESS OF 20 FT-LBS AT 40°F.
6. 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.
7. WELDS SHALL UTILIZE E70XX ELECTRODES AND SHALL BE A MINIMUM OF 3/16" IN SIZE UNLESS NOTED OTHERWISE.
8. ALL FLARE BEVEL OR FLARE-V WELDS NOTED ON THE DRAWINGS SHALL BE CONSTRUCTED WITH FULL EFFECTIVE THROAT ACHIEVABLE.
9. ALL WELDS SPECIFIED ON THE DRAWINGS AS FIELD WELDS MAY BE SHOP WELDED AT CONTRACTOR'S OPTION IF STEEL ERECTION CAN STILL BE ACHIEVED.
10. 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.
11. 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-A.
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.





1022 NW MARSHALL STREET, UNIT #350
PORTLAND, OR 97209
Tel 503.243.6682, www.abht-structural.com

2026D012
DESIGN NUMBER

103101
PROJECT NUMBER

STRUCTURAL
REGISTERED PROFESSIONAL
ENGINEER
1946SPE

OREGON
NOV. 18, 1991
CLINTON J. AMBROSE

EXPIRES 12-31-27

PORTLAND INTERNATIONAL AIRPORT		SUBMITTED BY	BRIAN FRANCIS
CONCOURSE D ALL-USER RESTROOM REMODEL		DESIGNED BY	C. AMBROSE
GENERAL STRUCTURAL NOTES		DRAWN BY	A. ROEPKE
		CHECKED BY	C. AMBROSE
		DATE	JULY 2026
		SHEET NO.	27
		DISC. SHT. NO.	CD
		DRAWING NO.	PDX 2026-516
			S0.01



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	

[illegible]

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.

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.

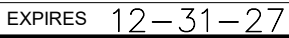
THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS FOR EACH INSPECTION TO THE BUILDING OFFICIAL, REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE, CONTRACTOR, AND OWNER. THE SPECIAL INSPECTION AGENCY SHALL SUBMIT A FINAL REPORT INDICATING THE WORK REQUIRING SPECIAL INSPECTION WAS INSPECTED AND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

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.

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.

ABHT
STRUCTURAL ENGINEERS
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PORTLAND, OR 97209
Tel 503.243.6682, www.abht-structural.com



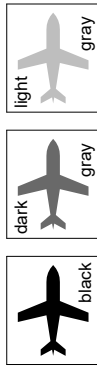
CONCOURSE D ALL-USER RESTROOM REMODEL

STATEMENT OF SPECIAL INSPECTION

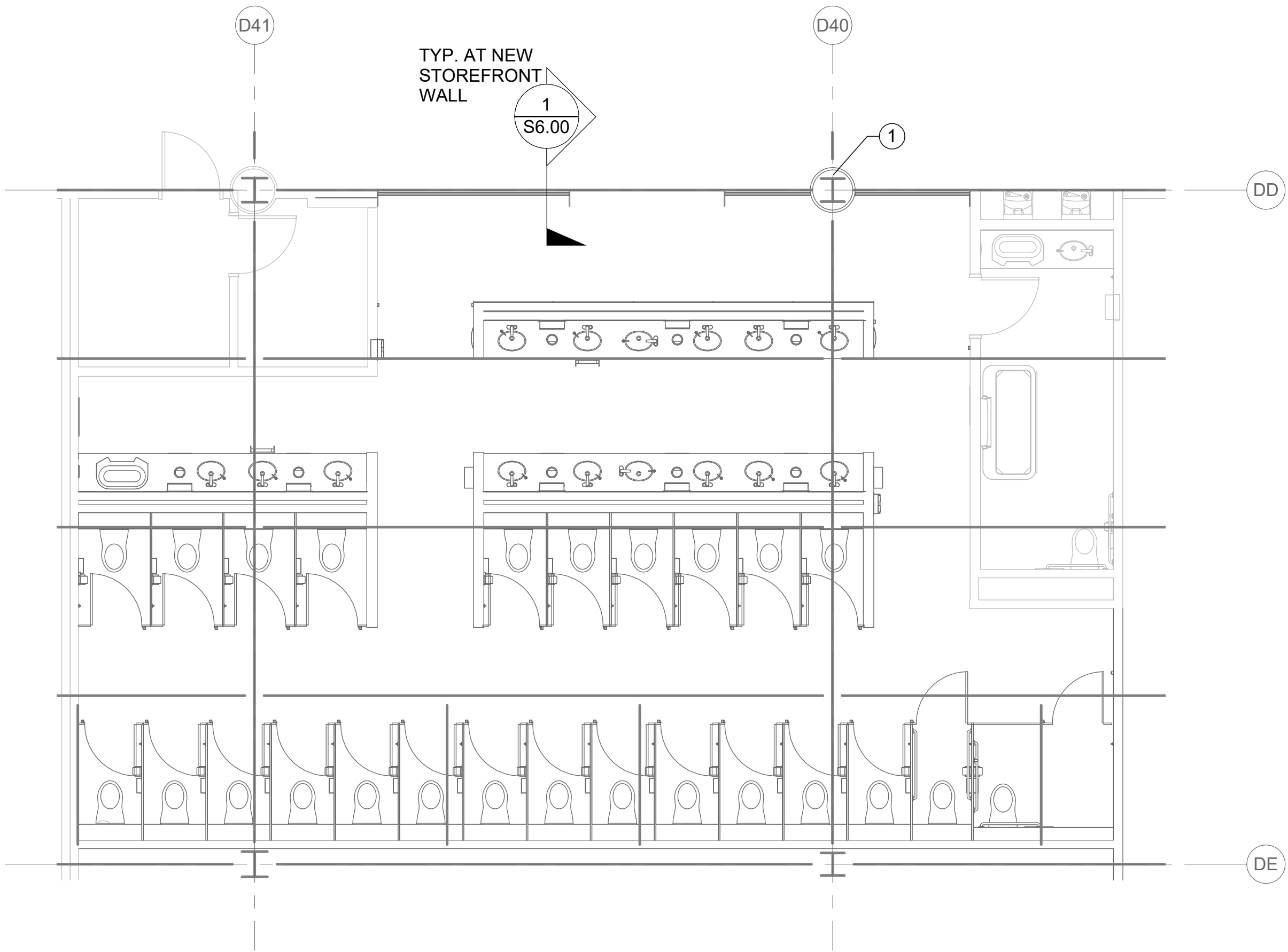
7/14/2026 11:36:34 AM Autodesk Docs://PDX CCD West and South Bag Claim Restroom Rehabilitation/12625 PDX Restroom Pet Relief Struct.rvt

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

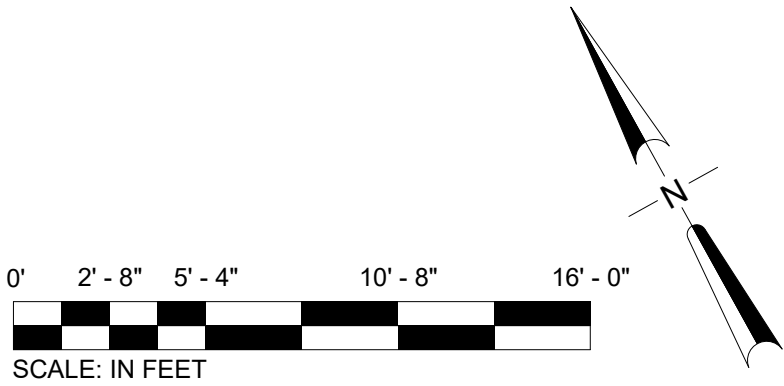
DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".



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.



1 ENPLANING LEVEL - CONCOURSE D - PARTIAL PLAN - D2646
SCALE: 3/16" = 1'-0"



SHEET NOTES:

- COORDINATE OPENINGS IN THE FLOOR WITH MEP DRAWINGS.
- REFERENCE 4/S6.00-A FOR FLOOR INFILL DETAIL.
- REFERENCE 3/S6.00-A FOR NEW OPENING IN FLOOR DETAIL.

KEYNOTES:

- REFERENCE DETAIL 2/S6.00-A FOR SIGN SUPPORT DETAIL. REF. ARCH FOR SIGNAGE INFORMATION.

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

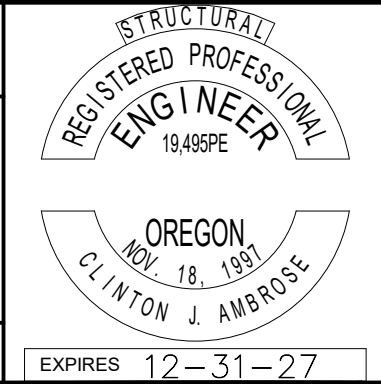
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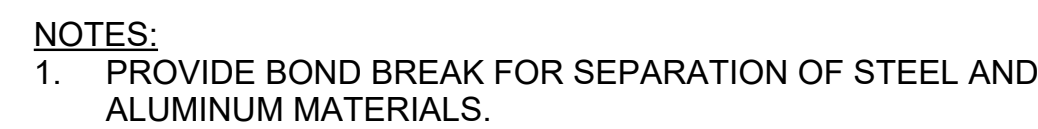
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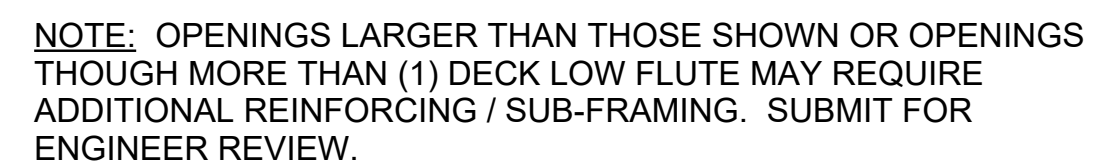


PORTLAND INTERNATIONAL AIRPORT		SUBMITTED BY	BRIAN FRANCIS
CONCOURSE D ALL-USER RESTROOM REMODEL		DESIGNED BY	C. AMBROSE
CONCOURSES D PARTIAL PLAN		DRAWN BY	A. ROEPKE
		CHECKED BY	C. AMBROSE
		DATE	JULY 2026
		SHEET NO.	29
		DRAWING NO.	PDX 2026-516
		TYPE	CD
		DISC. SHT. NO.	S2.00



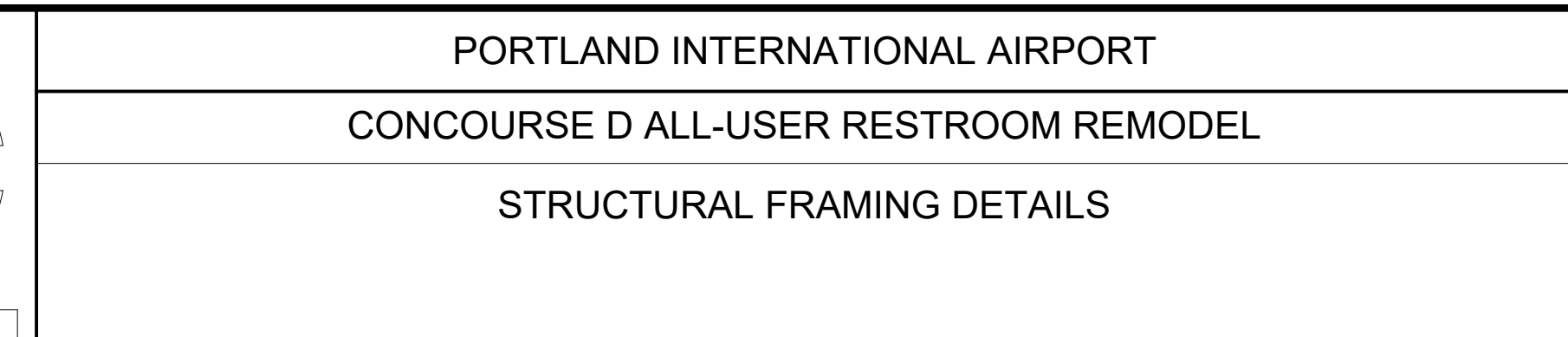
2 FM2 SIGN SUPPORT AT WF COLUMN
SCALE: 1 1/2" = 1'-0"

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



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

 Port of Portland	
 mwa architects	 1022 NW MARSHALL STREET, UNIT #350 PORTLAND, OR 97209 Tel 503.243.6886 www.abht-structural.com
2026D012 _____ DESIGN NUMBER	103101 _____ PROJECT NUMBER

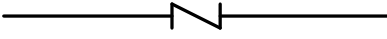
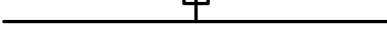


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CHECKED BY	C. AMBROSE		
DATE	JULY 2026		
SHEET NO.	30	TYPE	CD
DRAWING NO.	PDX 2026-516		DISC. SHT. NO. S6.00

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.

MISCELLANEOUS SYMBOLS:				
	ACCESS PANEL		CAP EXISTING / CAP FOR FUTURE	
	CONNECT TO EXISTING		REPLACE	
	ABANDON IN PLACE		REMOVE EXISTING	
	EXISTING TO REMAIN		KEY NOTE	
	RELOCATE EXISTING			
<u>CALL OUT SYMBOLS</u>				
	WALL MOUNTED			
	PENDANT MOUNTED			
	TEMPERATURE			CARBON MONOXIDE
	HUMIDITY			CARBON DIOXIDE
	OCCUPANCY			NITROGEN OXIDE
<u>ROOM SENSORS</u>				

	SHUT-OFF VALVE
	GLOBE VALVE
	SHUT-OFF VALVE W/ TAMPER SWITCH
	TRIPLE DUTY VALVE
	CHECK VALVE
	2-WAY PRESSURE INDEPENDENT CONTROL VALVE (UNLESS INDICATED OTHERWISE)
	2-WAY BUTTERFLY CONTROL VALVE
	3-WAY CONTROL VALVE
	BALANCING VALVE
	FLOW CONTROL VALVE
	PRESSURE REDUCING VALVE
	AIR VENT (MANUAL/AUTOMATIC)
	RELIEF VALVE
	STRAINER
	STRAINER W/ BLOWDOWN
	DRAIN VALVE
	HOSE BIBB
	PRESSURE GAUGE
	PRESSURE/TEMPERATURE TEST PLUG
	THERMOMETER
	FLOW SWITCH
	WATER FLOW METER

MISC. FITTINGS & SYMBOLS:	
	DIRECTION OF FLOW
	DIRECTION OF SLOPE
	PIPE SLEEVE
	REDUCER
	ANCHOR
	ELBOW (90°)
	ELBOW (45°)
	TEE
	CROSS
	PIPING CONNECTIONS
	JOINT OR COUPLING POINT
	UNION
	FLANGED CONNECTION
	CAP
	PLUG OR BLIND FLANGE
	RISER
	ELBOW UP
	ELBOW DOWN
	TEE UP
	TEE DOWN
	HORIZONTAL TEE
	FLEXIBLE CONNECTION
	MECHANICAL COUPLING



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2026D012 DESIGN NUMBER	103101 PROJECT NUMBER
---------------------------	--------------------------

PORTLAND INTERNATIONAL AIRPORT
CONCOURSE D ALL-USER RESTROOM REMODEL
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.	31	TYPE	CD
DRAWING NO.	PDX 2026-516		DISC. SHT. NO. M0.01



DEMOLITION EQUIPMENT SCHEDULE:				
TAG	DESCRIPTION	SERVICE	LEVEL	KEY NOTE(S)
VVR-D-234	VAV TERMINAL UNIT WITH REHEAT	D2646	ENPLANING	1
KEY NOTE(S): 1. SALVAGE HEATING WATER CONTROL VALVES AND RETURN TO THE PORT.				

TERMINAL UNIT SCHEDULE:													
TAG	SECTOR	LOCATION	SERVICE	SYSTEM	PRIMARY AIR			HYDRONIC COIL			MANUFACTURER & MODEL	KEY NOTE(S)	
					INLET (IN)	MAX CFM	HEATING CFM	MIN CFM	MBH	GPM			BRANCH PIPE SIZE (IN)
VVR-D-234	D03	ENPLANNING	D2646-ALL-USER RESTROOM	(E) AHU-D-301	10	960	420	420	8.5	0.9	3/4	TITUS DESV	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: VVR = VARIABLE AIR VOLUME TERMINAL UNIT WITH REHEAT COIL													

[illegible]

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

7/14/2026 1:25:58 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.

EXISTING AIR HANDLING UNIT SCHEDULE:					
			TAG	AHU-D-301/302	
			LOCATION	PENTHOUSE	
			SERVICE	CONCOURSE D	
			TYPE	VAV	
			CONSTRUCTION	EXISTING	
SUPPLY FAN	FAN(S)	AIRFLOW	(CFM)	41,000	
		FAN	TYPE	---	
		TSP	(IN WG)	---	
		ESP	(IN WG)	---	
		SPEED	(RPM)	---	
		FAN	QUANTITY	---	
	MOTOR	TOTAL BHP		---	
		TOTAL HP		---	
		VOLT/PHASE		---	
		VFD	(Y/N)	---	
MIXING BOX	MAX	OSA	(CFM)	13,500	
	MIN	OSA	(CFM)	5,750	
FILTERS	FILTERS			(MERV)	---
		FINAL	(MERV)	---	
	(FUTURE)	CARBON	(Y/N)	---	
RETURN/ EXHAUST FAN	FAN(S)	AIRFLOW	CFM	38000	
		FAN	TYPE	---	
		TSP	(IN WG)	---	
		ESP	(IN WG)	---	
		SPEED	(RPM)	---	
		FAN	QUANTITY	---	
		MOTOR	TOTAL BHP		---
	TOTAL HP		---		
	VOLT/PHASE		---		
	HYDRONIC HEATING COIL	VFD	(Y/N)		---
		QTY	---		
AIRFLOW		(CFM)		---	
EAT		(*F)		---	
LAT		(*F)		---	
GPM		---			
MBH		---			
EWT		(*F)		140	
HYDRONIC COOLING COIL	LWT	(*F)		100	
	EAT	(*F DB/WB)		---	
	LAT	(*F DB/WB)		---	
	GPM		---		
	TOTAL MBH / SENSIBLE MBH		---		
	EWT	(*F)		42	
	LWT	(*F)		60	
KEY NOTE(S)				1	

<u>NOTE(S):</u> 1. SCHEDULE INCLUDED FOR REFERENCE ONLY. <u>KEY NOTE(S):</u> 1. UPDATE MINIMUM OUTSIDE AIR VALUES IN BMS BASED ON INSTALLED EXHAUST FANS AND INCLUDE IN BALANCING REPORT.

[illegible]



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2026D012 DESIGN NUMBER	103101 PROJECT NUMBER
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REGISTERED PROFESSIONAL
ENGINEER
76752PE
OREGON
MAR. 08, 2005
NED M. GREENE
EXPIRES: 06/30/2027

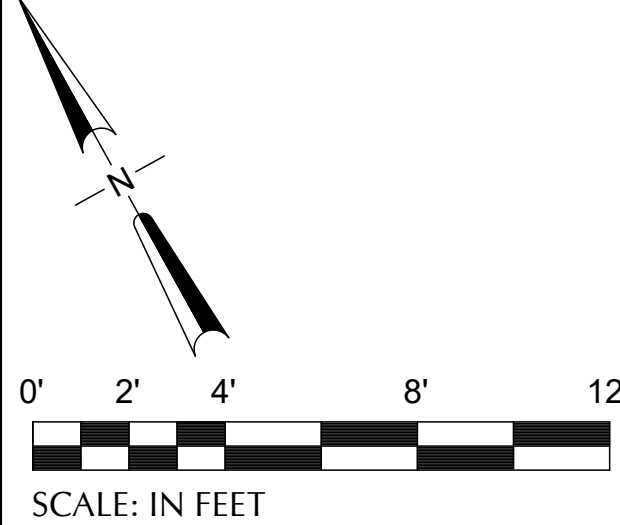
PORTLAND INTERNATIONAL AIRPORT CONCOURSE D ALL-USER RESTROOM REMODEL EQUIPMENT SCHEDULE 2 - MECHANICAL	SUBMITTED BY		BRIAN FRANCIS		
	DESIGNED BY		M. GIOVAGNOLI		
	DRAWN BY		S. CARTER		
	CHECKED BY		M. BRUNE		
	DATE		JULY 2026		
	SHEET NO.		33	TYPE	CD
	DRAWING NO.		PDX 2026-516		DISC. SHT. NO.



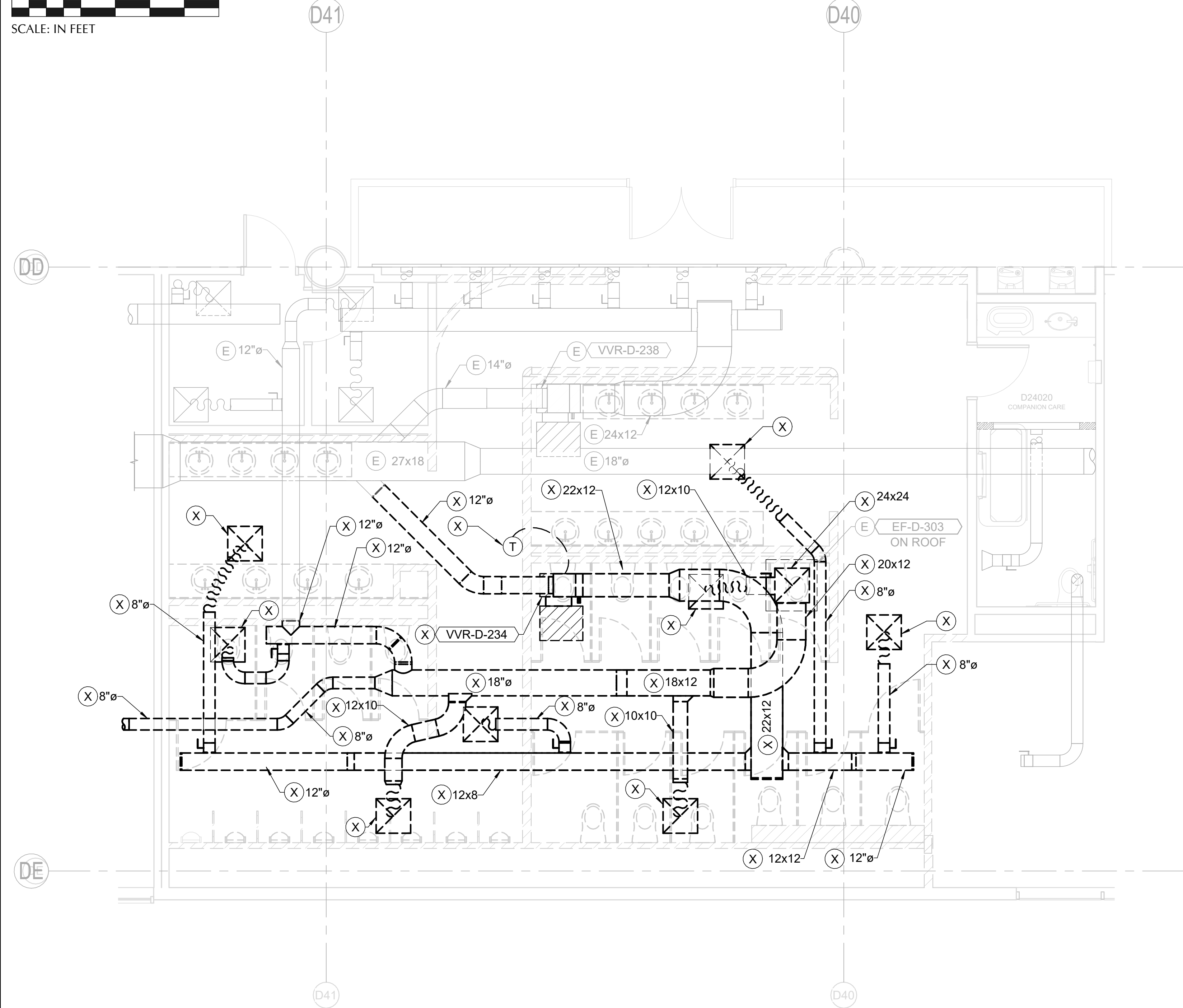
										 Port of Portland										 EXPIRES: 06/30/2027										PORTLAND INTERNATIONAL AIRPORT										SUBMITTED BY BRIAN FRANCIS																			
										 PAE pae-engineers.com 151 SW 1st Avenue #300 Portland, OR 97204 503.226.2921 pae-engineers.com										CONCOURSE D ALL-USER RESTROOM REMODEL										DESIGNED BY M. GIOVAGNOLI																													
																				ENPLANING LEVEL - KEY PLAN - MECHANICAL										DRAWN BY S. CARTER																													
																														CHECKED BY M. BRUNE																													
																														DATE JULY 2026																													
																														SHEET NO. 34		TYPE CD																											
																														DRAWING NO. PDX 2026-516		DISC. SHT. NO. M0.20																											
 DATE BY REVISIONS										 DATE BY REVISIONS																				2026D012 DESIGN NUMBER										103101 PROJECT NUMBER																			



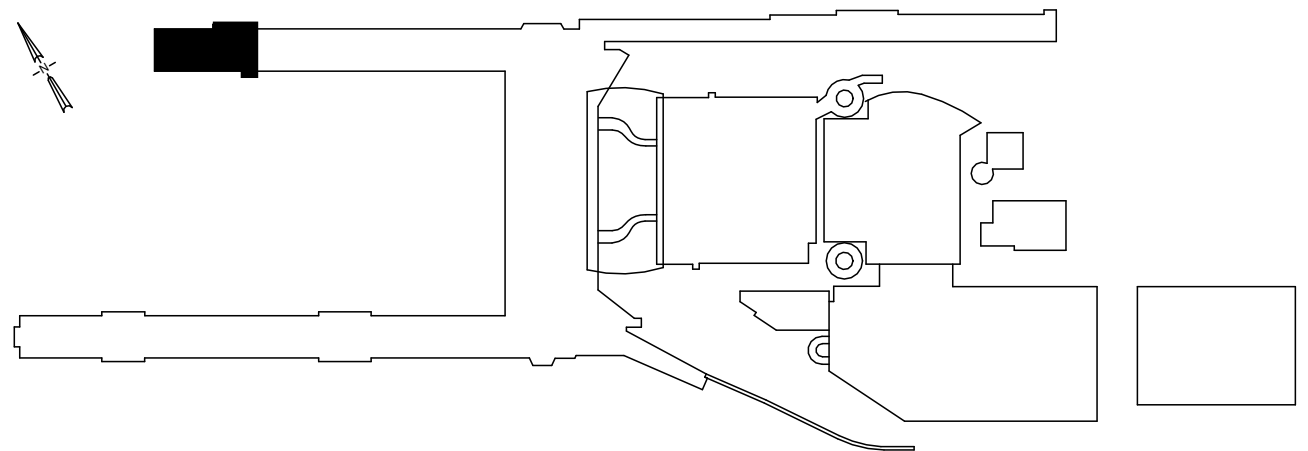
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



SCALE: IN FEET



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



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

DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".
0 1/4" 1/2" 1" 2" 4" 8" 12"
GRAPHIC SCALE FOR REFERENCE ONLY

NO.	DATE	BY	REVISIONS	APP.	NO.	DATE	BY	REVISIONS	APP.





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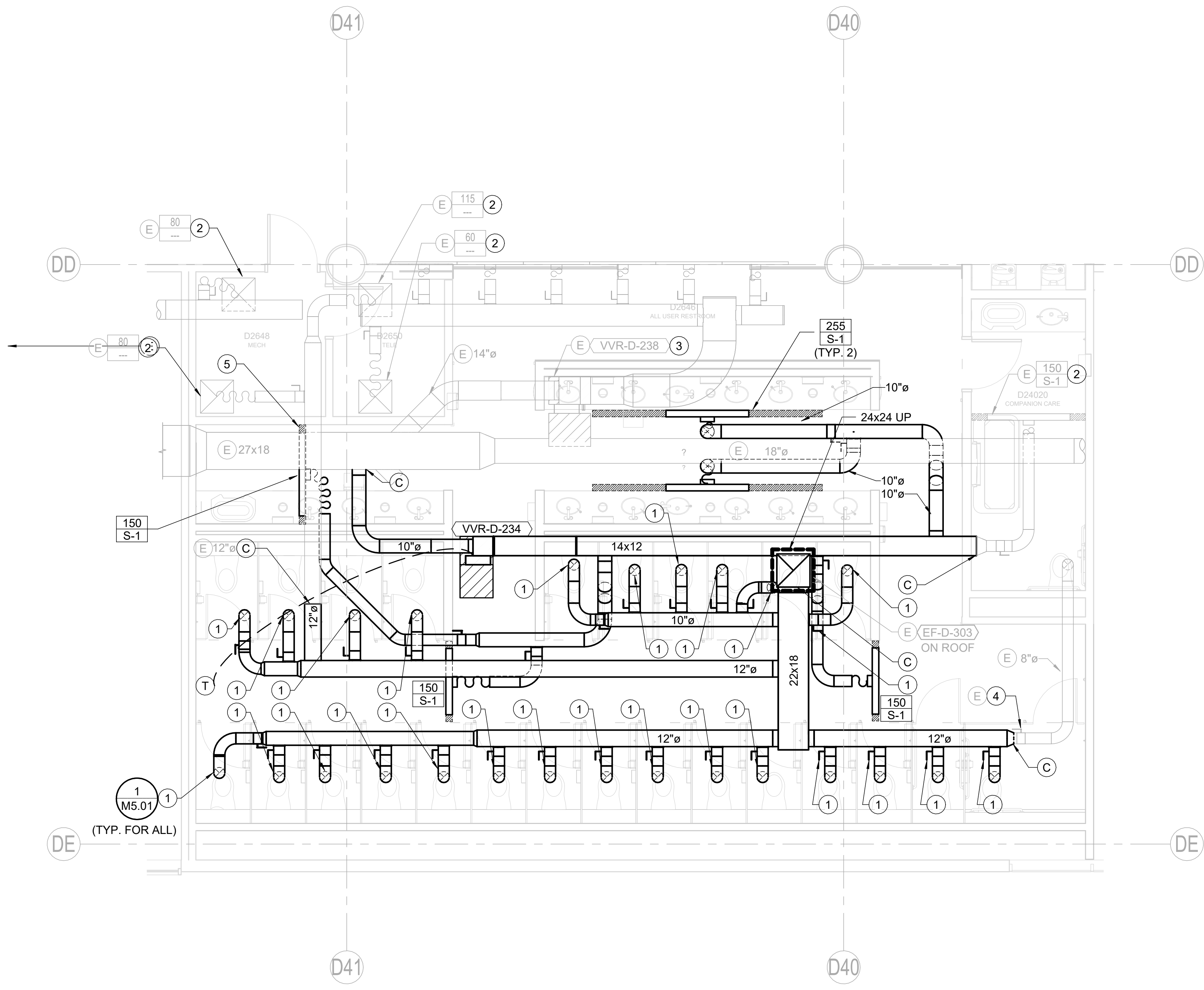
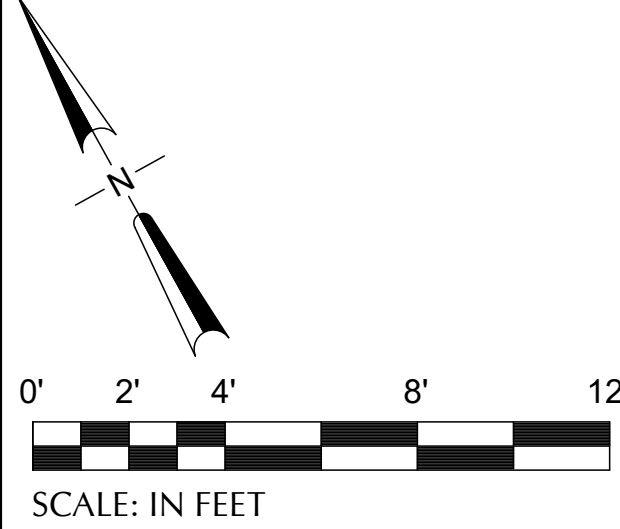
2026D012 DESIGN NUMBER	103101 PROJECT NUMBER
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PORTLAND INTERNATIONAL AIRPORT		SUBMITTED BY	BRIAN FRANCIS
CONCURSE D ALL-USER RESTROOM REMODEL		DESIGNED BY	M. GIOVAGNOLI
CONCURSE D - ENPLANING - SECTOR 3 - D2646, D2647 - DEMO PLAN - MECHANICAL		DRAWN BY	S. CARTER
		CHECKED BY	M. BRUNE
		DATE	JULY 2026
		SHEET NO.	35
		TYPE	CD
		DRAWING NO.	PDX 2026-516
		DISC. SHT. NO.	M1.02

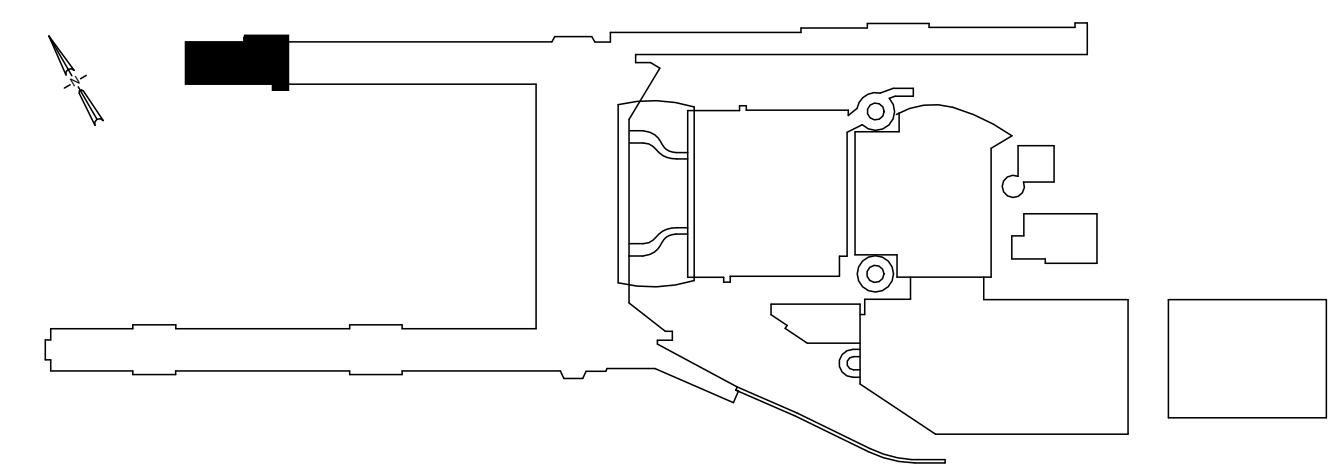


CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



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

- KEY NOTES #**
- BALANCE DAMPER TO 110 CFM.
 - BALANCE EXISTING GRILLE TO AIRFLOW SHOWN.
 - SHOWN FOR REFERENCE ONLY.
 - BALANCE EXISTING DAMPER TO 220 CFM.
 - SHADED REGION REPRESENTS INACTIVE PORTION OF SLOT DIFFUSER. TYPICAL FOR ALL SLOT DIFFUSERS.



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

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

NO.	DATE	BY	REVISIONS	APP.

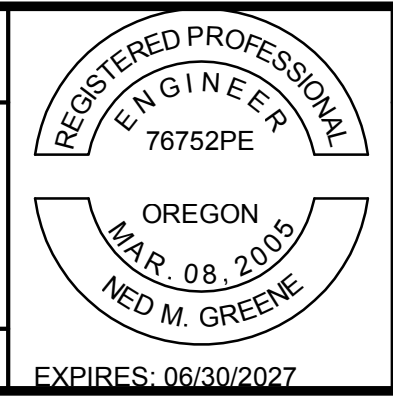
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2026D012
DESIGN NUMBER

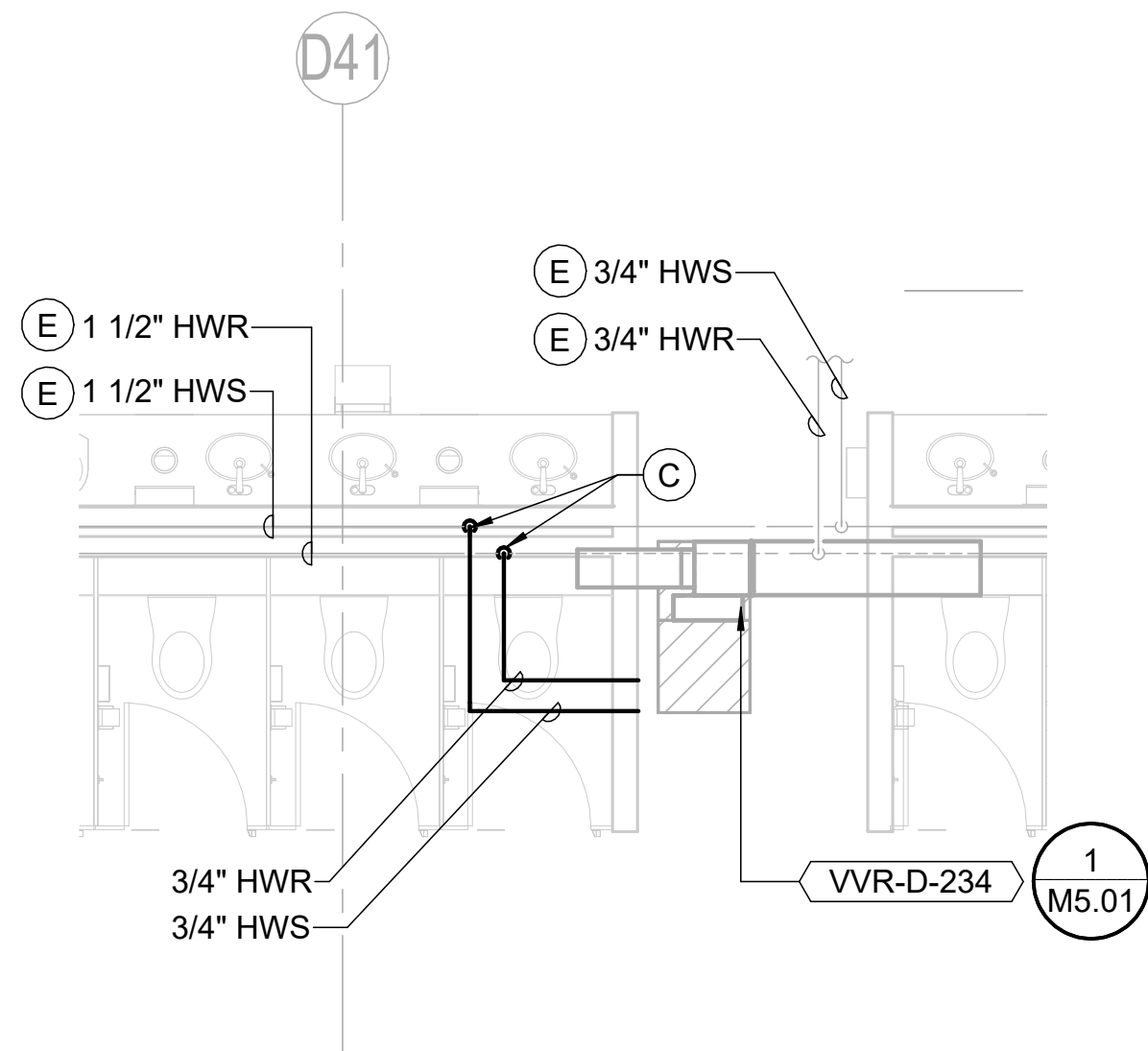
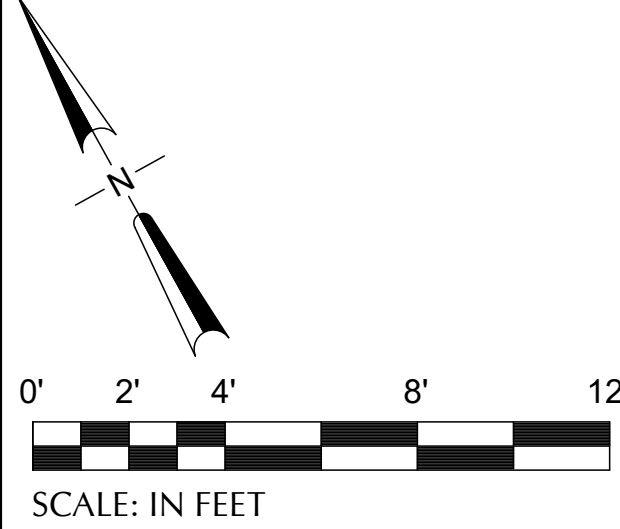
103101
PROJECT NUMBER



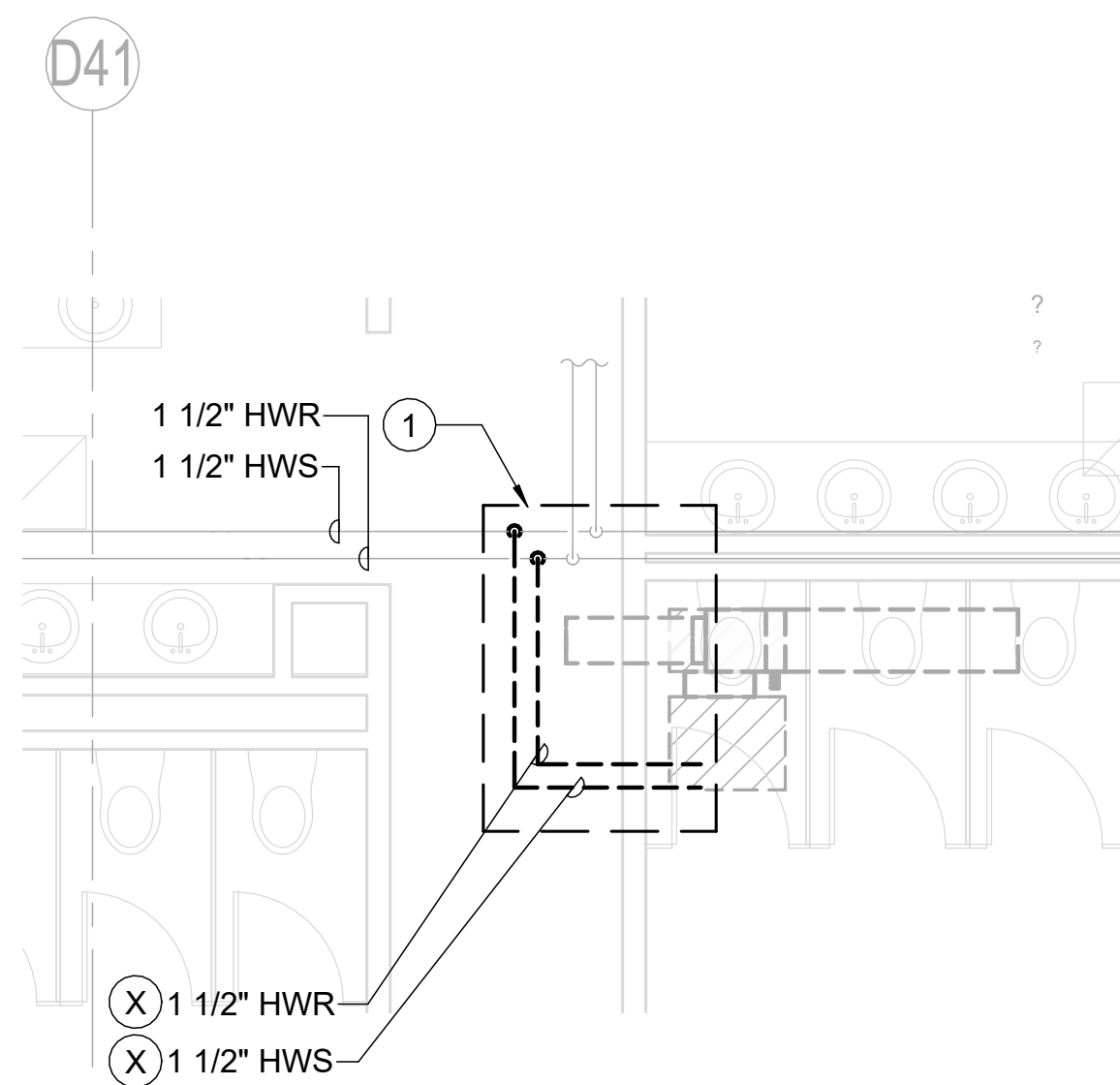
PORTLAND INTERNATIONAL AIRPORT		SUBMITTED BY	BRIAN FRANCIS
CONCURSE D ALL-USER RESTROOM REMODEL		DESIGNED BY	M. GIOVAGNOLI
CONCURSE D - ENPLANING - SECTOR 3 - D2646, D2647 - FLOOR PLAN - MECHANICAL		DRAWN BY	S. CARTER
		CHECKED BY	M. BRUNE
		DATE	JULY 2026
		SHEET NO.	36
		TYPE	CD
		DRAWING NO.	PDX 2026-516
		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.



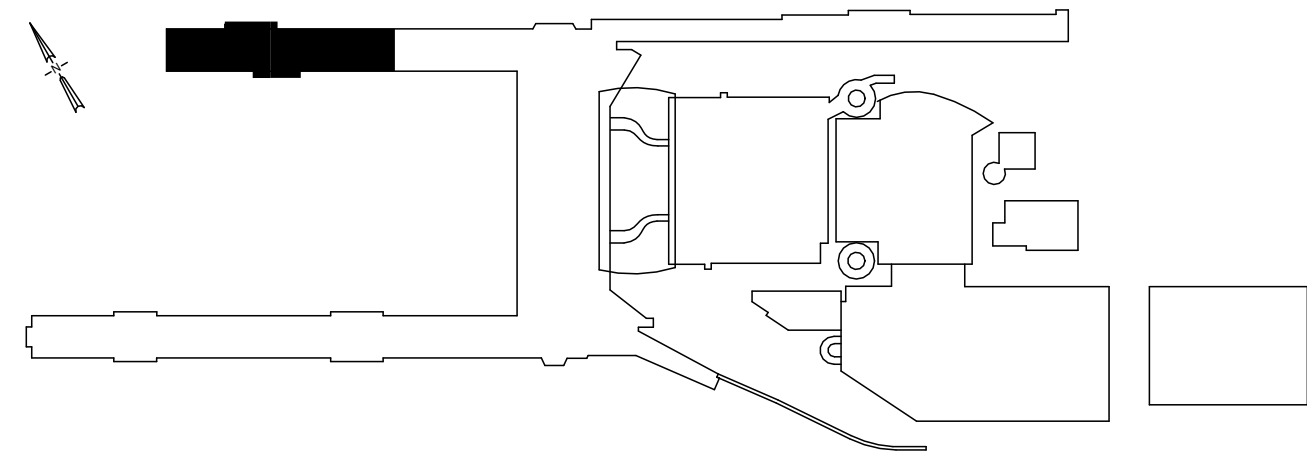
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SCALE: 1/4" = 1'-0"



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

KEY NOTES #

- DEMOLISH HYDRONIC LINES BACK TO NEAREST MAIN AND CAP. DO NOT LEAVE DEADLEGS.



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

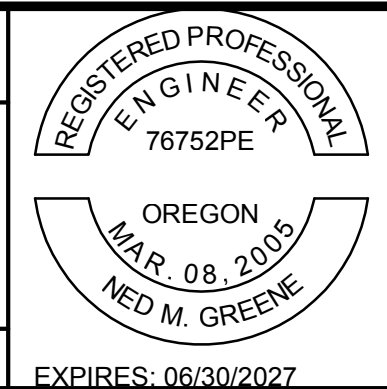
NO.	DATE	BY	REVISIONS	APP.

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2026D012
DESIGN NUMBER

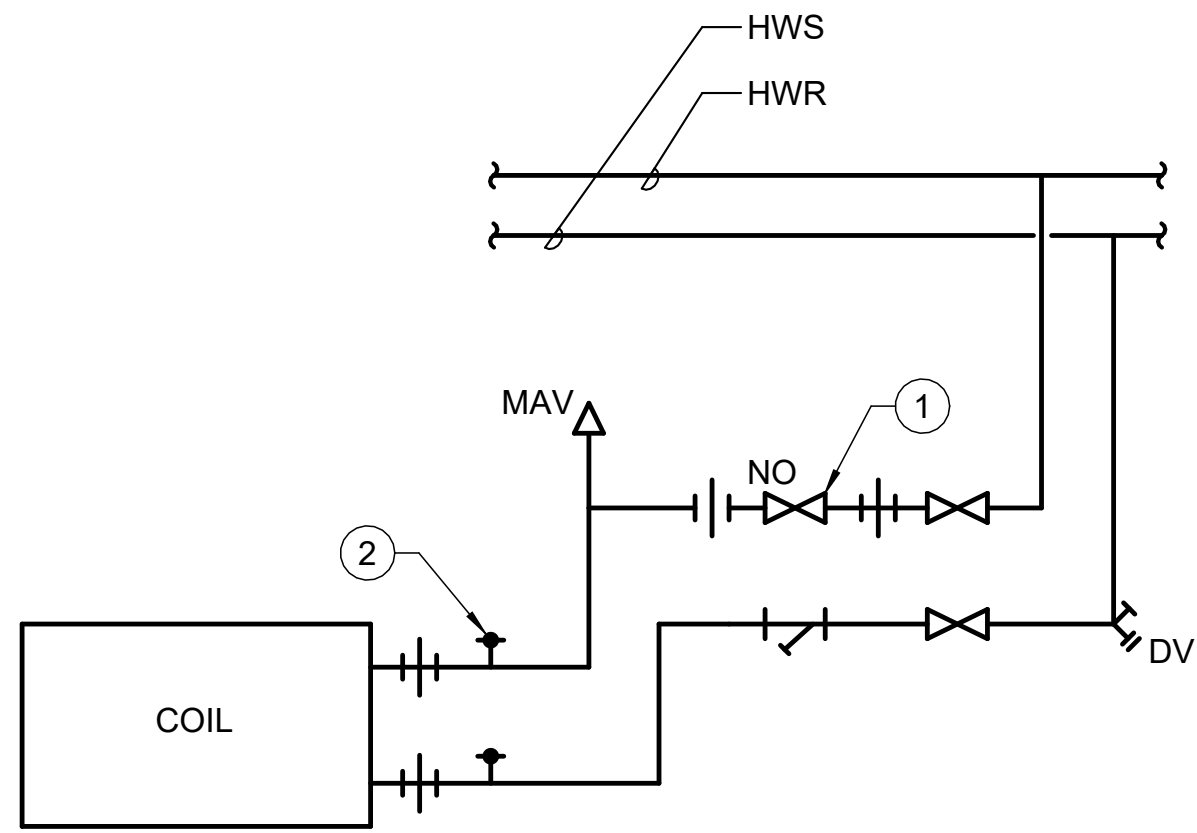
103101
PROJECT NUMBER



PORTLAND INTERNATIONAL AIRPORT		SUBMITTED BY	BRIAN FRANCIS
CONCURSE D ALL-USER RESTROOM REMODEL		DESIGNED BY	M. GIOVAGNOLI
PARTIAL PLANS 2 - MECHANICAL		DRAWN BY	S. CARTER
		CHECKED BY	M. BRUNE
		DATE	JULY 2026
		SHEET NO.	37
		TYPE	CD
		DRAWING NO.	PDX 2026-516
		DISC. SHT. NO.	M4.02



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.



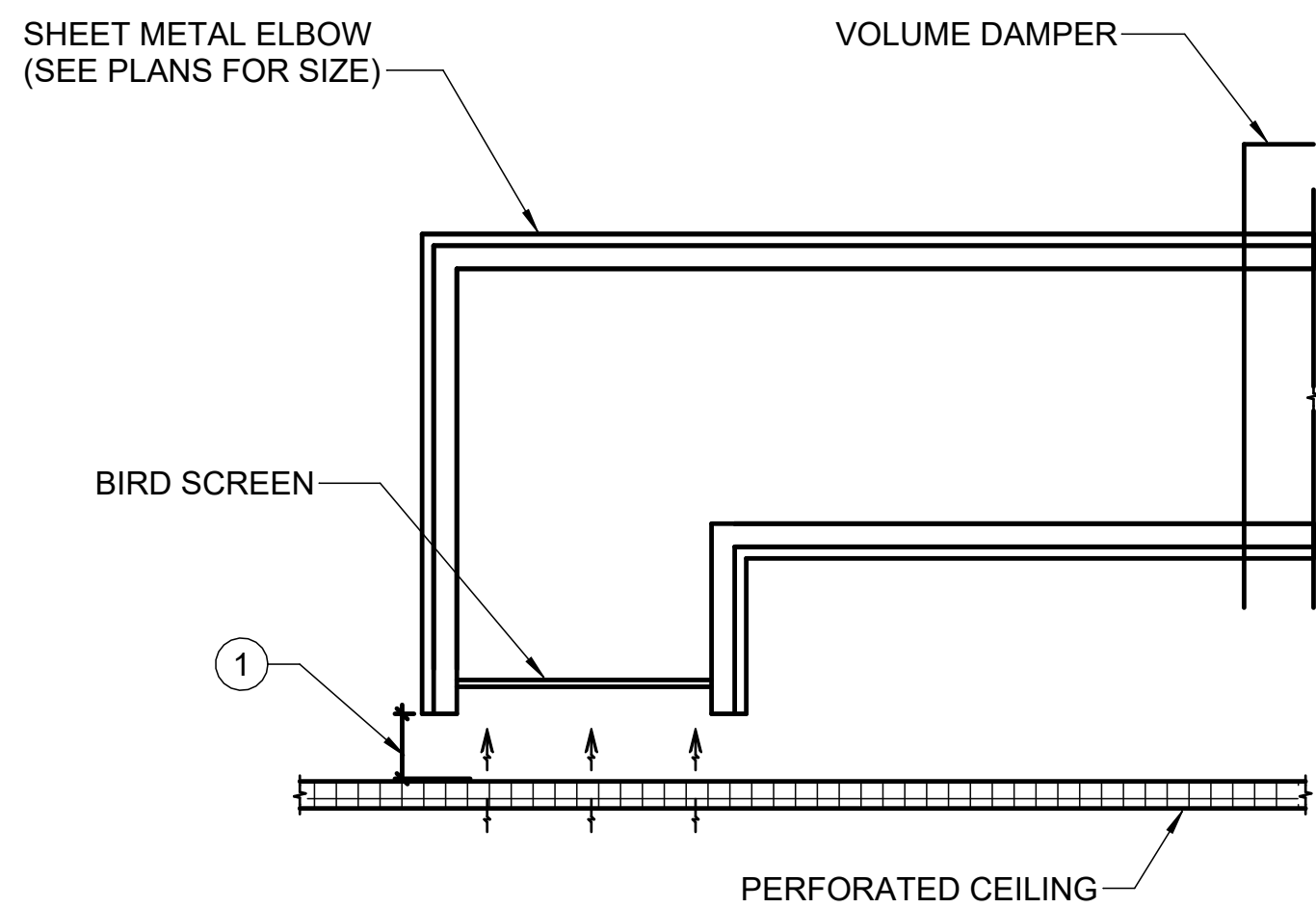
NOTE(S):

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)

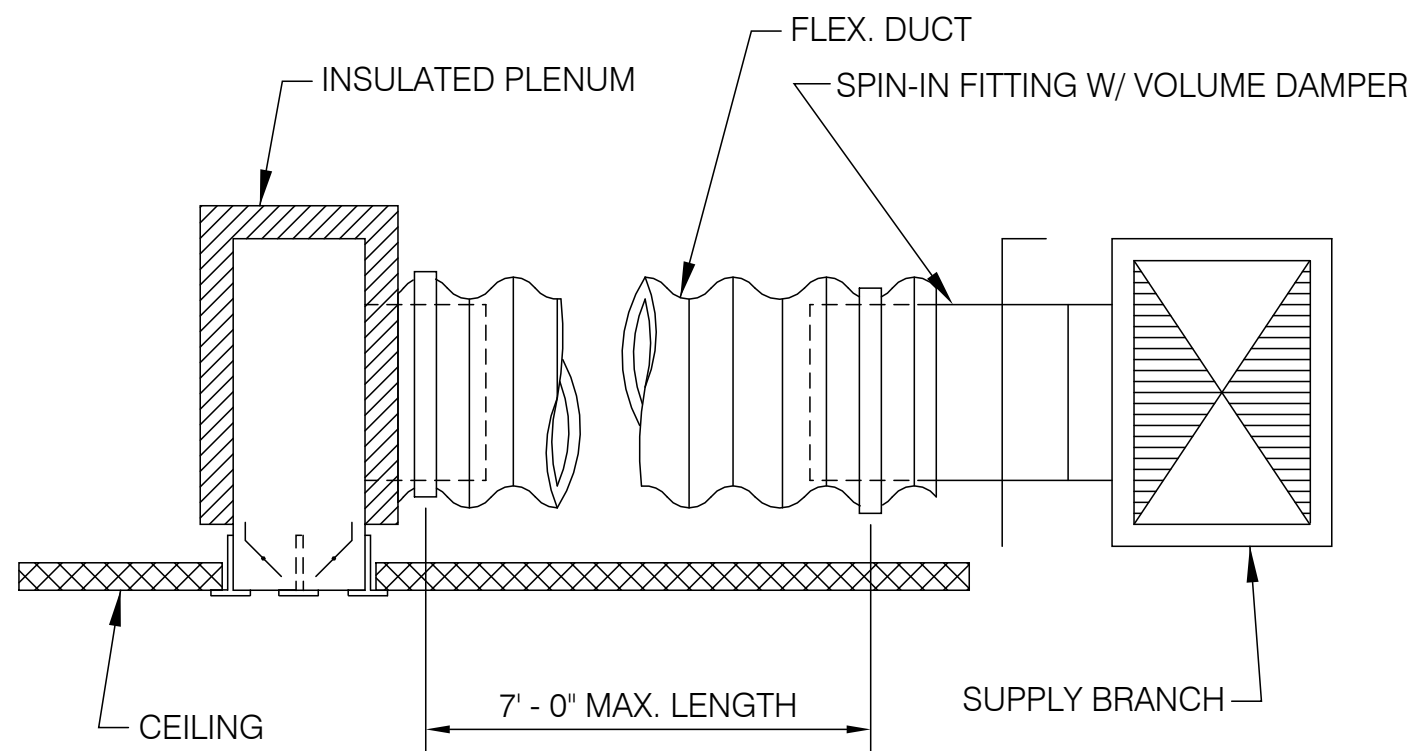
1 REHEAT COIL CONNECTION - TERMINAL UNIT
SCALE: N.T.S



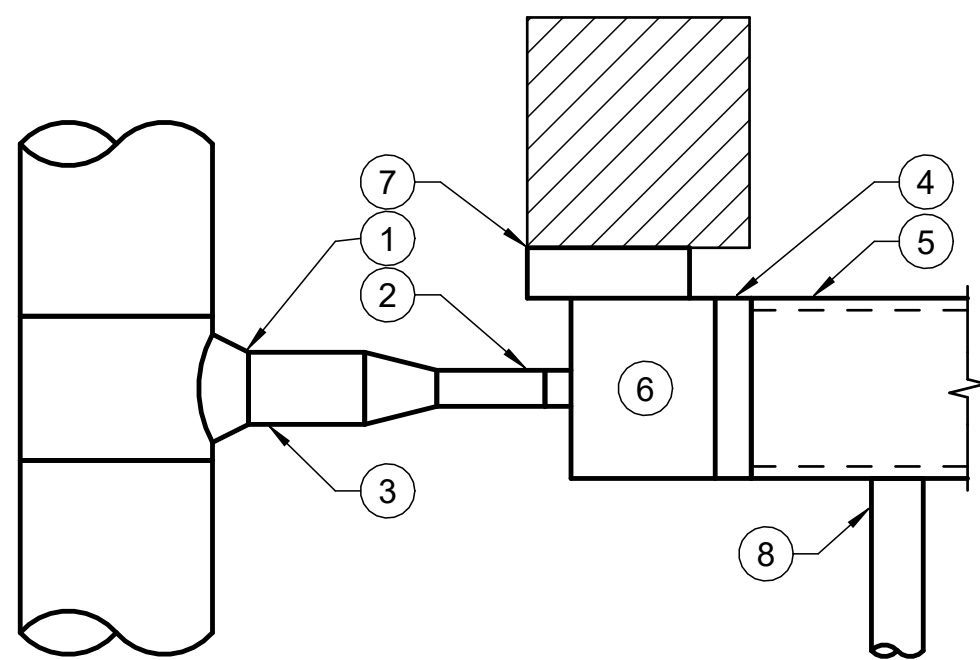
KEY NOTE(S):

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

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



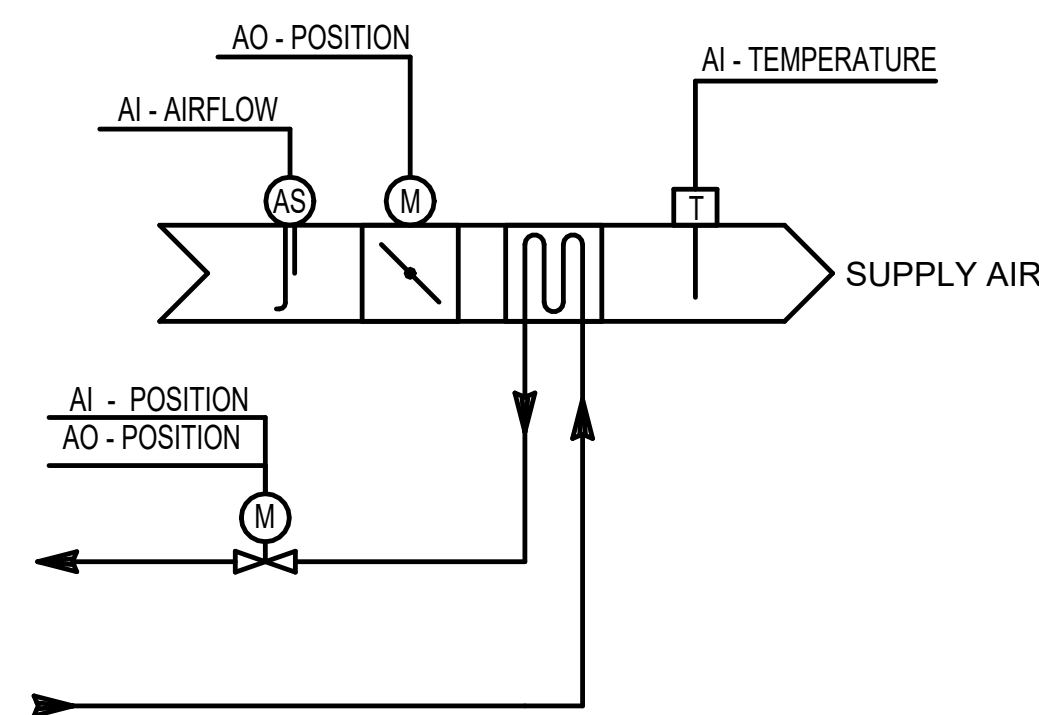
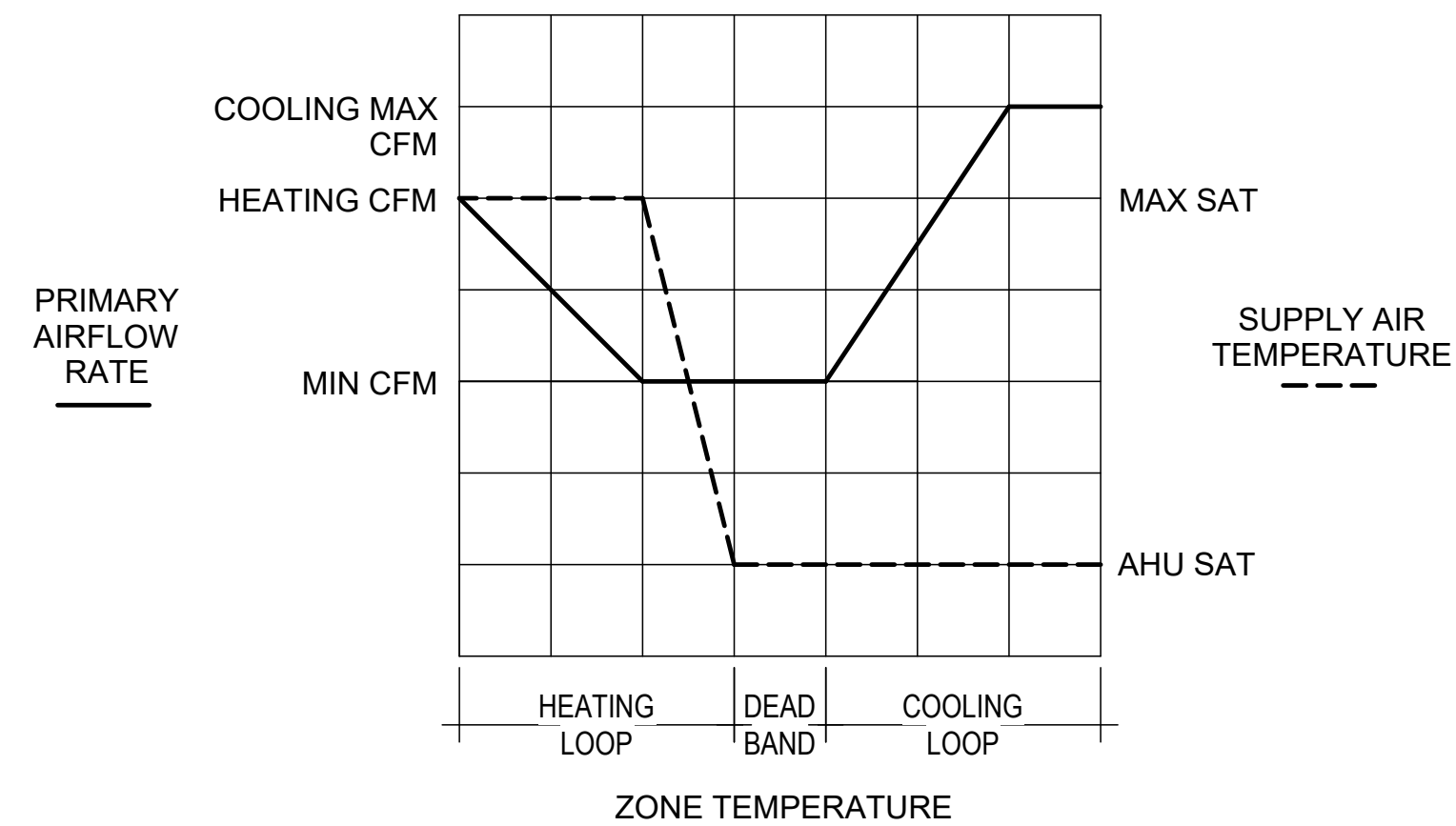
2 SLOT DIFFUSER
SCALE: N.T.S



KEY NOTE(S): #

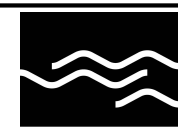
1. CONICAL TEE.
2. INLET DUCT. MINIMUM STRAIGHT LENGTH = 3'-0" OR 4 DUCT DIAMETERS FROM MAIN DUCT, WHICHEVER IS LARGER. FLEXIBLE CONNECTIONS ARE NOT ALLOWED.
3. MEDIUM PRESSURE MAIN DUCT. IF UNDER 10'-0" IN LENGTH, DUCT SIZE TO BE THE SAME SIZE AS TERMINAL UNIT INLET CONNECTION, IF LENGTH IS 10'-0" OR 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.

4 TYPICAL TERMINAL UNIT
SCALE: N.T.S



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

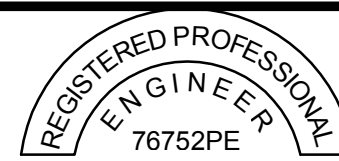
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EXPIRES: 06/30/2027

PORTLAND INTERNATIONAL AIRPORT

CONCOURSE D ALL-USER RESTROOM REMODEL

DETAILS - MECHANICAL

SUBMITTED BY	BRIAN FRANCIS
DESIGNED BY	M. GIOVAGNOLI
DRAWN BY	S. CARTER
CHECKED BY	M. BRUNE
DATE	JULY 2026
SHEET NO.	38
TYPE	CD
DISC. SHT. NO.	M5.01

PDX 2026-516

M5.01

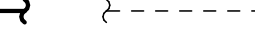
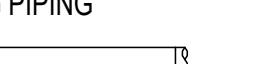
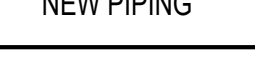
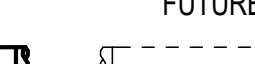
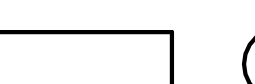
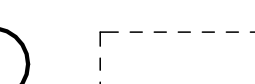


	THERMOMETER
	PRESSURE GAUGE
	PRESSURE-TEMPERATURE TEST PLUG
	MANUAL AIR VENT
	AUTOMATIC AIR VENT
	FLOW SWITCH
	TEMPERATURE SENSOR
	SHOCK ARRESTOR
	VACUUM BREAKER
	SHUTOFF VALVE WITH TAMPER SWITCH
	SOLENOID VALVE
	PRESSURE SENSOR
	AQUASTAT

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		PLUMBING SPECIALTIES		
	W	WASTE ABOVE GRADE		CLEANOUT
	W	WASTE BELOW GRADE		FLOOR CLEANOUT
	PW	PUMPED WASTE ABOVE GRADE		CLEANOUT TO GRADE
	PW	PUMPED WASTE BELOW GRADE		WALL CLEANOUT
	GW	GREASE WASTE ABOVE GRADE		AREA DRAIN
	GW	GREASE WASTE BELOW GRADE		CATCH BASIN
	D	DRAIN (CONDENSATE/INDIRECT)		FLOOR DRAIN
	V	VENT		OVERFLOW ROOF DRAIN
	CW	COLD WATER		ROOF DRAIN
	HW	HOT WATER		TRENCH SHOWER DRAIN
	RHW	RECIRCULATING HOT WATER		TRENCH DRAIN
	TW	TEMPERED WATER		HOSE BIBB
	ICW	INDUSTRIAL COLD WATER		GROUND HYDRANT
	IHW	INDUSTRIAL HOT WATER		WALL HYDRANT
	WW	WELL WATER		WALL BOX
				FLOOR SINK
				THRUST BLOCK

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
	MECHANICAL COUPLING
	HEAT TRACE
	PIPE CONTINUATION

[illegible]



Port of Portland



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2026D012

DESIGN NUMBER

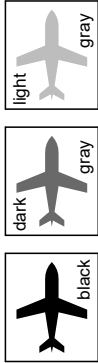
103101

PROJECT NUMBER



PORTLAND INTERNATIONAL AIRPORT
CONCOURSE D ALL-USER RESTROOM REMODEL
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.	39	TYPE	CD
DRAWING NO.	PDX 2026-516		DISC. SHT. NO. P0.01



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.

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)					ELEC. CONNECTION	DESCRIPTION	
		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
L-1	LAVATORY	2	1-1/2	-	-	1/2	0.5	N	UNDERSINK-MOUNTED, ELECTRONIC SENSOR BATTERY POWERED

MISCELLANEOUS PLUMBING EQUIPMENT SCHEDULE			
TAG NUMBER	LOCATION	DESCRIPTION	ELECTRICAL
TP-D2648	D2648 MECH	ELECTRONIC TRAP PRIMER 1-16 OPENING MANIFOLD BASED ON: PPP ELECTRONIC TRAP PRIMER	120V, 1PH

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).





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2026D012
DESIGN NUMBER

103101
PROJECT NUMBER

REGISTERED PROFESSIONAL
ENGINEER
82382PE

OREGON
DECEMBER 14, 2014
TRAVIS J. LEWIS

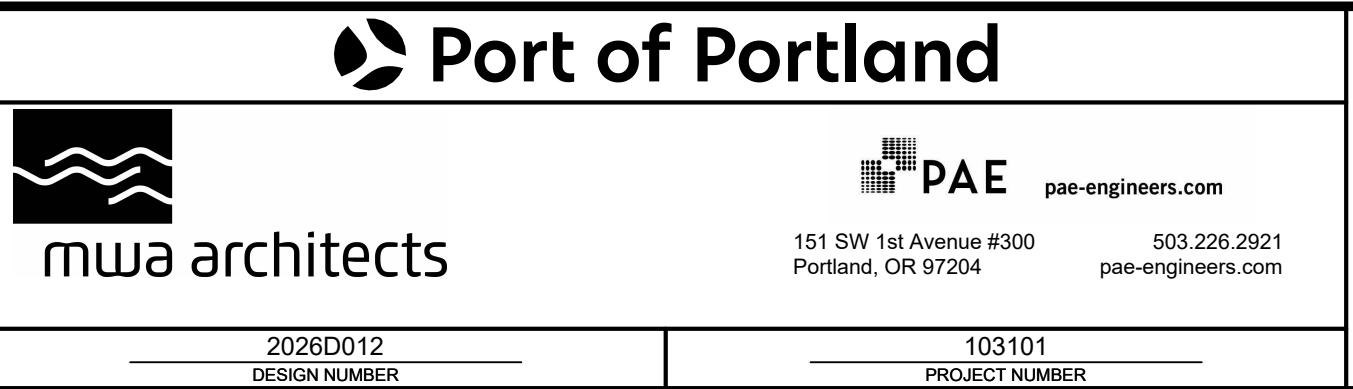
07/14/2026
EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT	
CONCOURSE D ALL-USER RESTROOM REMODEL	
EQUIPMENT SCHEDULE - PLUMBING	

SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	E. WALCZYK		
DRAWN BY	C. RICHARDS		
CHECKED BY	T. LEWIS		
DATE	JULY 2026		
SHEET NO.	40	TYPE	CD
DRAWING NO.	PDX 2026-516		DISC. SHT. NO. P0.03

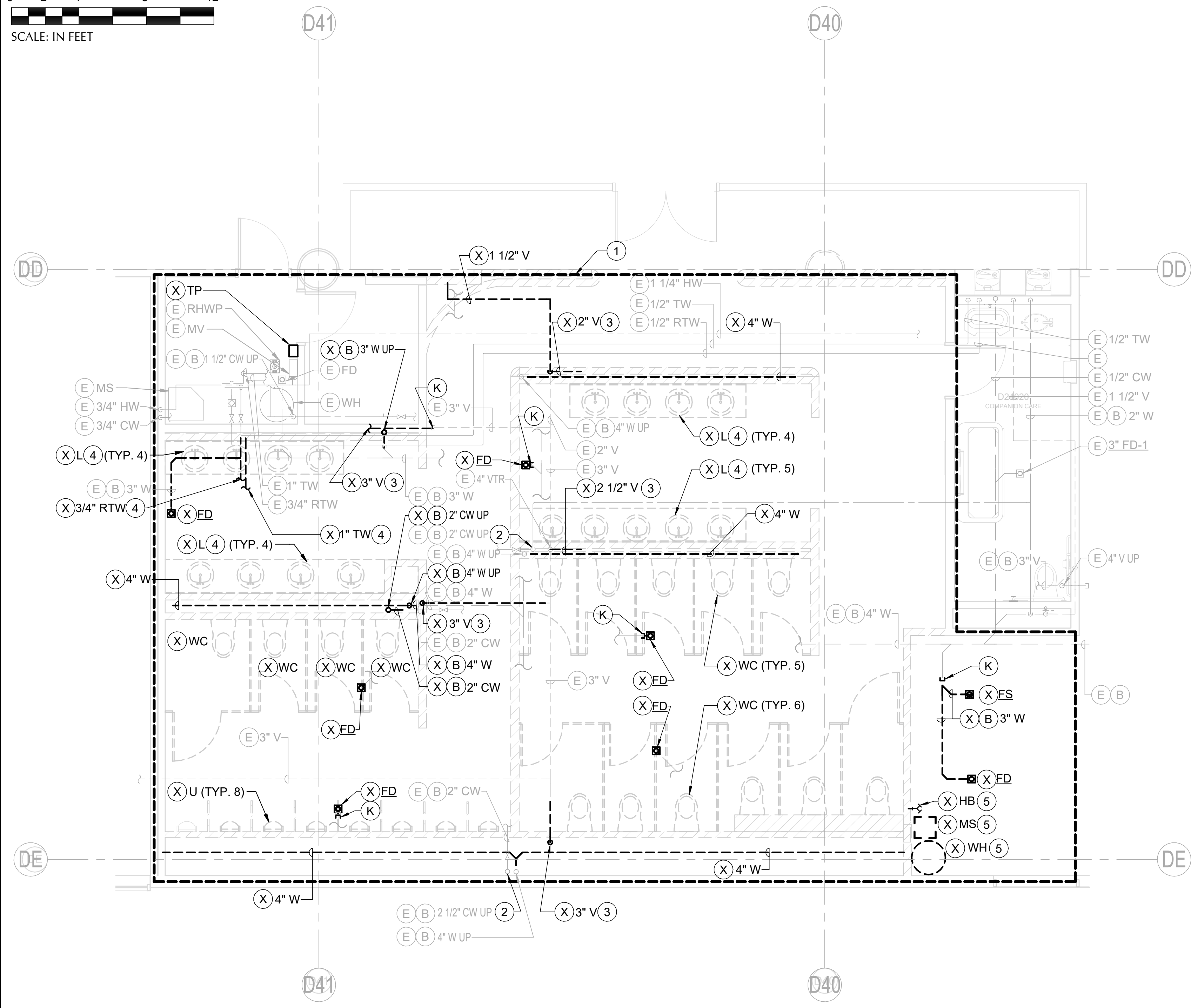
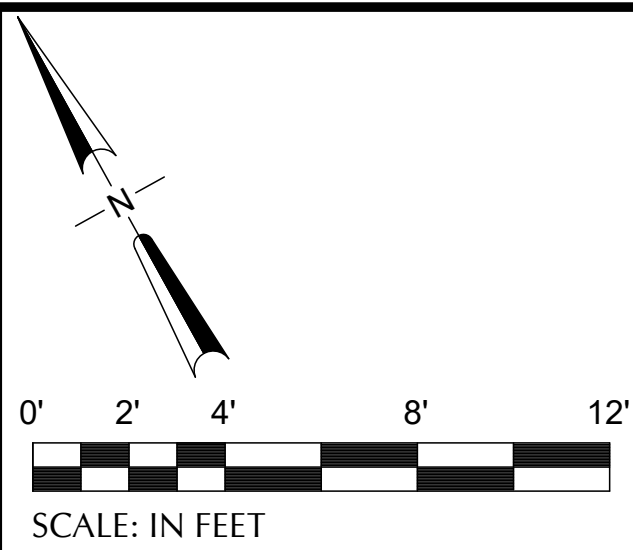


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PORTLAND INTERNATIONAL AIRPORT
CONCOURSE D ALL-USER RESTROOM REMODEL
ENPLANING LEVEL - KEY PLAN - PLUMBING

SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	E. WALCZYK		
DRAWN BY	C. RICHARDS		
CHECKED BY	T. LEWIS		
DATE	JULY 2026		
SHEET NO.	41	TYPE	CD
DRAWING NO.	PDX 2026-516		DISC SHT. NO. P0.20



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

[illegible]

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2026D012 DESIGN NUMBER	103101 PROJECT NUMBER	EXPIRES: 12/31/2026 07/14/2026		

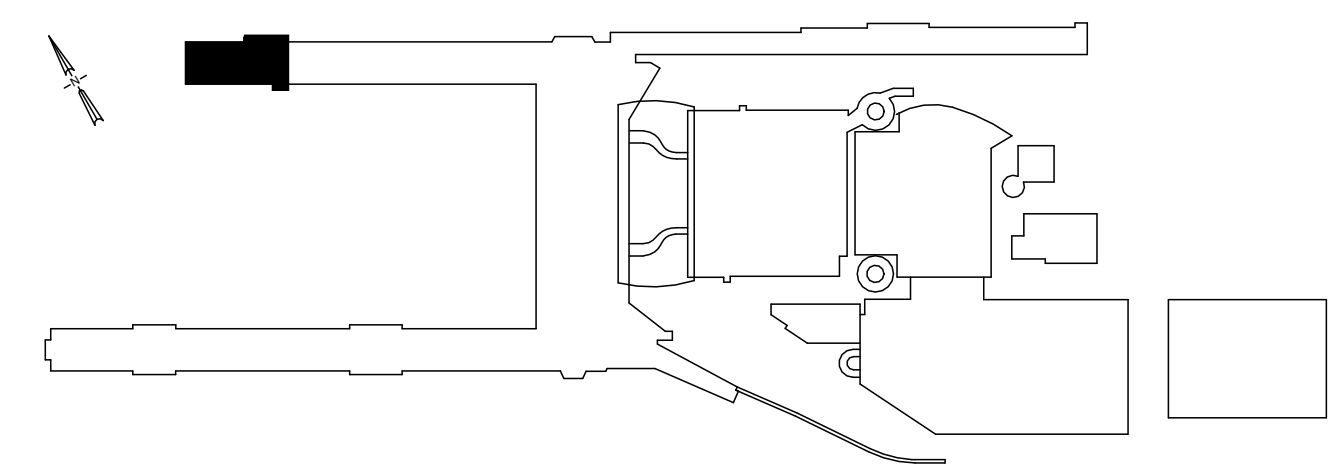
PORTLAND INTERNATIONAL AIRPORT	SUBMITTED BY		BRIAN FRANCIS	
	DESIGNED BY		E. WALCZYK	
CONCOURSE D ALL-USER RESTROOM REMODEL	DRAWN BY		C. RICHARDS	
	CHECKED BY		T. LEWIS	
CONCOURSE D - ENPLANING - SECTOR 3 - D2646, D2647 - DEMO PLAN - PLUMBING	DATE		JULY 2026	
	SHEET NO.		42	TYPE CD
	DRAWING NO.		PDX 2026-516	DISC. SHT. NO. P1.02

- ## 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.

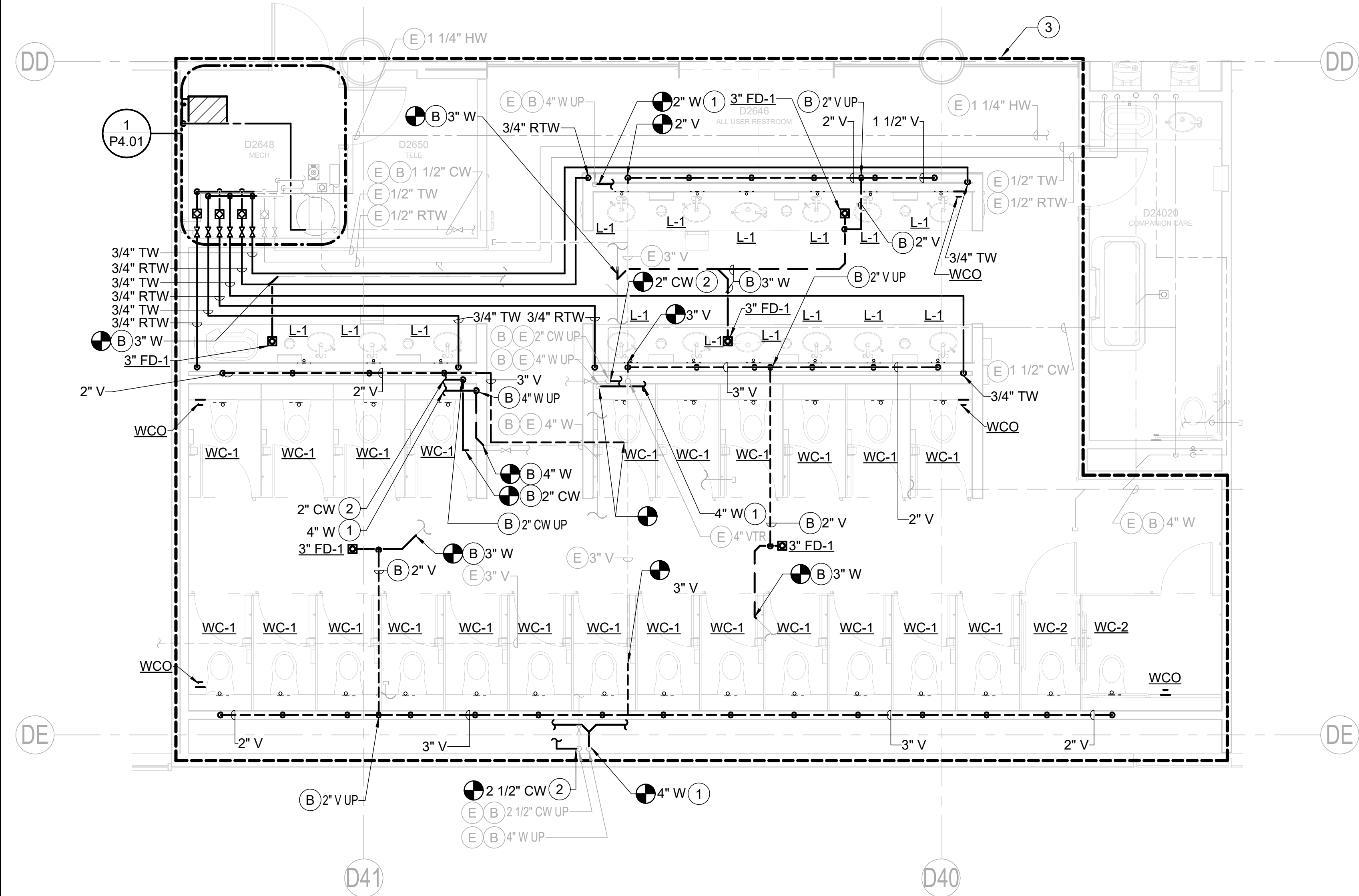
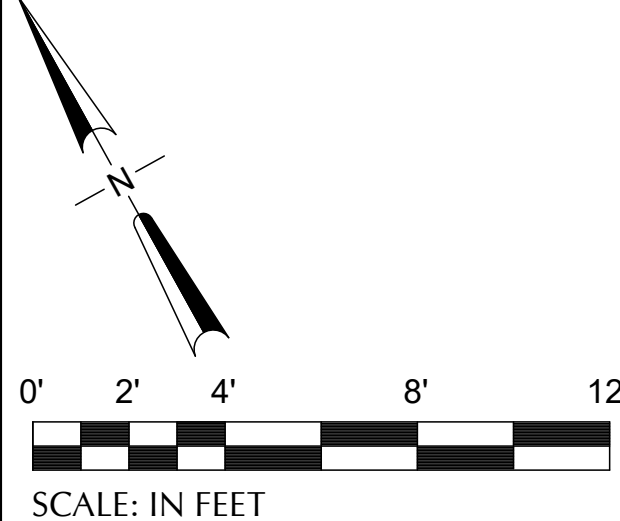
KEY NOTES

1. AREA OF WORK. DEMO ALL FIXTURES AND ROUGH-INS WITHIN DESIGNATED REGION UNLESS NOTED OTHERWISE.
2. DEMO ALL CW PIPING WITHIN WALL/CHASE BACK TO RISER. RETAIN RISER FOR NEW CONSTRUCTION.
3. DEMO ALL VENT PIPING WITHIN WALL/CHASE.
4. DEMO ALL EXISTING TEMPERED WATER PIPING SERVING THE LAVATORIES BACK TO EXISTING TO REMAIN HOT WATER HEATING EQUIPMENT IN THE JANITORS CLOSET.
5. DEMO ALL PIPING SERVING PLUMBING FIXTURES/EQUIPMENT BACK TO ACTIVE MAINS, PROVIDE SHUT OFF VALVE AND CAP.





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.



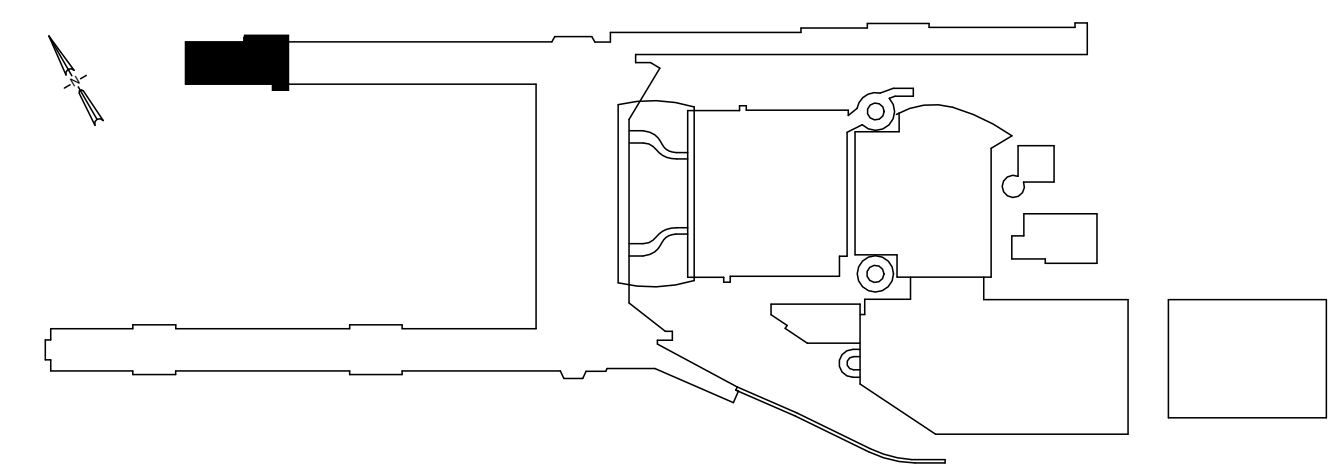
1 CONCURSE D - SECTOR 3 - D2646, D2647 - ENPLANING - FLOOR PLAN - PLUMBING
SCALE: 1/4" = 1'-0"

GENERAL NOTES

- COORDINATE WORK WITH ALL OTHER TRADES.
- VERIFY ALL EQUIPMENT CONNECTIONS WITH THE MANUFACTURERS CERTIFIED DRAWINGS. VERIFY AND PROVIDE TRANSITIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DIMENSIONS BEFORE FABRICATION.
- DRAWINGS ARE DIAGRAMMATIC. NOT ALL OFFSETS AND TRANSITIONS IN PIPING ARE SHOWN IN THE DRAWINGS. PROVIDE OFFSETS AND TRANSITIONS REQUIRED FOR INSTALLATION.
- ALL VALVES, WATER HAMMER ARRESTORS, ECT. NEED TO BE INSTALLED IN READILY ACCESSIBLE LOCATIONS.
- EXISTING WORK SHOWN IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.
- VERIFY EXACT SIZES, LOCATIONS, INVERTS AND ELEVATIONS PRIOR TO RUNNING ANY PIPING. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL FIXTURES AND EQUIPMENT.
- 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.
- TRAP PRIMING SHALL BE PROVIDED FOR ALL FLOOR DRAINS AND FLOOR SINKS FROM ELECTRONIC TRAP PRIMERS.

KEY NOTES

- ROUTE WASTE PIPE WITHIN CHASE/WALL TO PLUMBING FIXTURES.
- ROUTE CW PIPING WITHIN CHASE/WALL TO PLUMBING FIXTURES. PROVIDE FULL SIZE WATER HEADER TO LAST FIXTURE.
- AREA OF WORK.



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

NO.	DATE	BY	REVISIONS	APP.

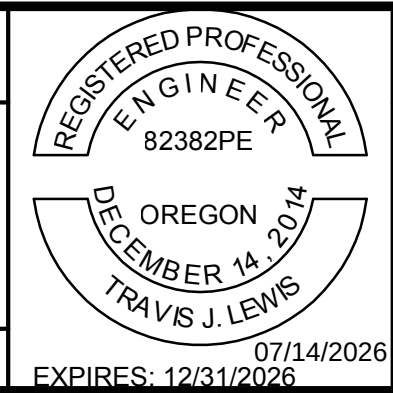


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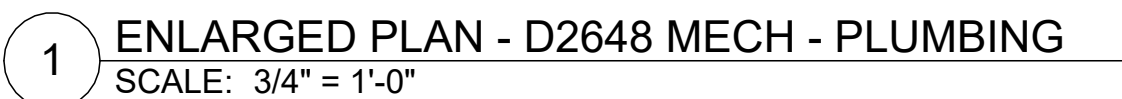
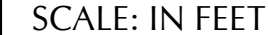
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DESIGN NUMBER

103101
PROJECT NUMBER

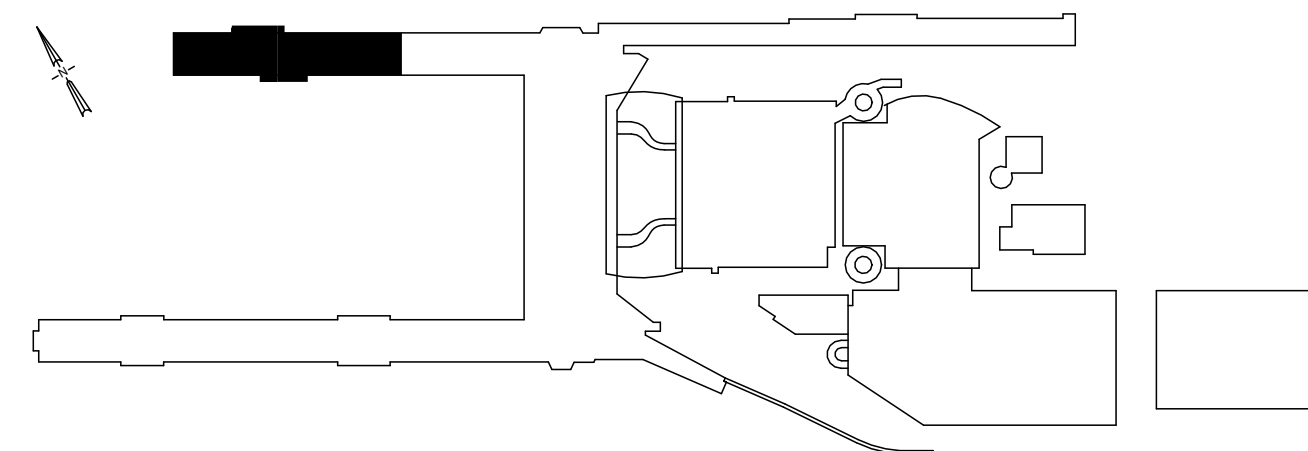


PORTLAND INTERNATIONAL AIRPORT		SUBMITTED BY	BRIAN FRANCIS
CONCURSE D ALL-USER RESTROOM REMODEL		DESIGNED BY	E. WALCZYK
CONCURSE D - ENPLANING - SECTOR 3 - D2646, D2647 - FLOOR PLAN - PLUMBING		DRAWN BY	C. RICHARDS
		CHECKED BY	T. LEWIS
		DATE	JULY 2026
		SHEET NO.	43
		TYPE	CD
		DRAWING NO.	PDX 2026-516
		DISC. SHT. NO.	P2.02

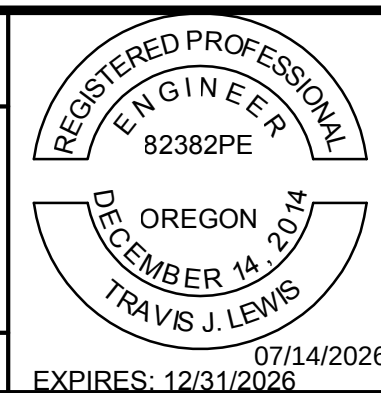


- A. COORDINATE WORK WITH ALL OTHER TRADES.
- B. VERIFY ALL EQUIPMENT CONNECTIONS WITH THE MANUFACTURERS CERTIFIED DRAWINGS. VERIFY AND PROVIDE TRANSITIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DIMENSIONS BEFORE FABRICATION.
- C. DRAWINGS ARE DIAGRAMMATIC. NOT ALL OFFSETS AND TRANSITIONS 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.

1. BALANCING VALVE, SET TO 0.75 GPM.

[illegible]

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2026D012 DESIGN NUMBER	103101 PROJECT NUMBER



PORTLAND INTERNATIONAL AIRPORT CONCOURSE D ALL-USER RESTROOM REMODEL PARTIAL PLANS - PLUMBING	SUBMITTED BY		BRIAN FRANCIS		
	DESIGNED BY		E. WALCZYK		
	DRAWN BY		C. RICHARDS		
	CHECKED BY		T. LEWIS		
	DATE		JULY 2026		
	SHEET NO.		44	TYPE	CD
	DRAWING NO.		PDX 2026-516	DISC. SHT. NO.	P4.01



- 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.

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.

GENERAL NOTE(S):

1. ALL PIPING AND EQUIPMENT IS EXISTING UNLESS NOTED OTHERWISE.
2. EXISTING HOT WATER PIPING SERVES EQUIPMENT OUTSIDE OF PROJECT SCOPE. VERIFY WITH PORT PRIOR TO ENGAGING IN WORK THAT WILL EFFECT THIS EXISTING PIPE.

1 ELECTRIC WATER HEATER DETAIL - ALL EQUIPMENT EXISTING - NEW PIPE TIE IN - PLUMBING
SCALE: N.T.S.

[illegible]

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2026D012 DESIGN NUMBER	103101 PROJECT NUMBER	



PORTLAND INTERNATIONAL AIRPORT	SUBMITTED BY		BRIAN FRANCIS	
	DESIGNED BY		E. WALCZYK	
CONCOURSE D ALL-USER RESTROOM REMODEL	DRAWN BY		C. RICHARDS	
	CHECKED BY		T. LEWIS	
DETAILS - PLUMBING	DATE		JULY 2026	
	SHEET NO.		45	TYPE CD
	DRAWING NO.		DISC. SHT. NO.	
	PDX 2026-516		P5.01	



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2026D012 DESIGN NUMBER	103101 PROJECT NUMBER



SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	E. WALCZYK		
DRAWN BY	C. RICHARDS		
CHECKED BY	T. LEWIS		
DATE	JULY 2026		
SHEET NO.	46	TYPE	CD
DRAWING NO.	PDX 2026-516		DISC SHT. NO. P5.02



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.



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.
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.

[illegible]

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2026D012

DESIGN NUMBER

103101

PROJECT NUMBER

07/14/2022
 EXPIRES: 12/31/2026

6	PORTLAND INTERNATIONAL AIRPORT	SUBMITTED BY	BRIAN FRANCIS	
	CONCOURSE D ALL-USER RESTROOM REMODEL	DESIGNED BY	E. WALCZYK	
		DRAWN BY	C. RICHARDS	
	DETAILS - PLUMBING	CHECKED BY	T. LEWIS	
		DATE	JULY 2026	
		SHEET NO.	47	TYPE
DRAWING NO.		PDX 2026-516	DISC. SHT. NO.	P5.03



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.



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) (#):

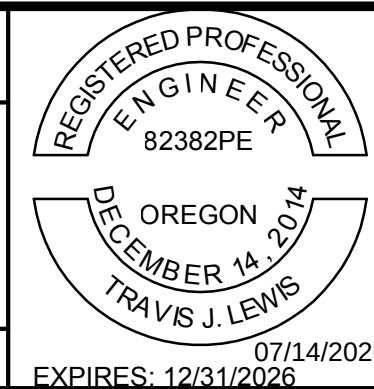
1. CORE DRILL TWO HOLES TO PROVIDE "SEAT" FOR FLOOR DRAIN BODY

2 FLOOR DRAIN DETAIL
SCALE: N.T.S.

1 FLOOR DRAIN DETAIL
SCALE: N.T.S.

[illegible]

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2026D012 DESIGN NUMBER	103101 PROJECT NUMBER



6	PORTLAND INTERNATIONAL AIRPORT	SUBMITTED BY	BRIAN FRANCIS		
	CONCOURSE D ALL-USER RESTROOM REMODEL	DESIGNED BY	E. WALCZYK		
		DRAWN BY	C. RICHARDS		
		CHECKED BY	T. LEWIS		
	DETAILS - PLUMBING	DATE	JULY 2026		
		SHEET NO.	48	TYPE	CD
		DRAWING NO.	PDX 2026-516	DISC. SHT. NO.	P5.04

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

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

GRAPHIC SCALE-FOR REFERENCE ONLY

EA	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
EWG	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	URAL
FV	FIXTURE UNIT	UG	UNDERGROUND
FU	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	WI	WITH
HVC	HOSE VALVE CABINET	W/O	WITHOUT
ID	INSIDE DIAMETER, INSIDE DIMENSION		

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

 REMOVE EXISTING PIPE
 REMOVE EXISTING EQUIPMENT

EXISTING PIPING	NEW PIPING	FUTURE PIPING
EXISTING EQUIPMENT	NEW EQUIPMENT	FUTURE EQUIPMENT
EXISTING EQUIPMENT CLEARANCES	NEW EQUIPMENT CLEARANCES	FUTURE EQUIPMENT CLEARANCES

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 VALVE
BV BALANCING VALVE	MFR	MANUFACTURER
CALC CALCULATION	MIN	MINIMUM
CB CATCH BASIN	MISC	MISCELLANEOUS
CFH CUBIC FEET PER HOUR	MOCPP	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	NC	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
DEW 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	RAD
DWG DRAWING	RA	RELIEF AIR
(E), EXIST EXISTING	RD	ROOF DRAIN

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

_____	WS	WATER SERVICE
_____	WPS	WET-PIPE SPRINKLER
_____	DPS	DRY PIPE SPRINKLER
_____	FDC	FIRE DEPARTMENT CONNECTION
_____	WSP	WET STANDPIPE

	ACCESS PANEL		NUMBERED NOTE
	POINT OF CONNECTION		REMOVE EXISTING
	EXISTING TO REMAIN		CAP EXISTING / CAP FOR FUTURE
	BELOW GRADE / FLOOR		RELOCATE EXISTING
	REVISION NUMBER		FUTURE

<u>EQUIPMENT</u>	<u>DETAIL CALLOUT</u>

	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
	MECHANICAL COUPLING
	HEAT TRACE
	FLEX DROP
	THRUST BLOCK
	PIPE CONTINUATION



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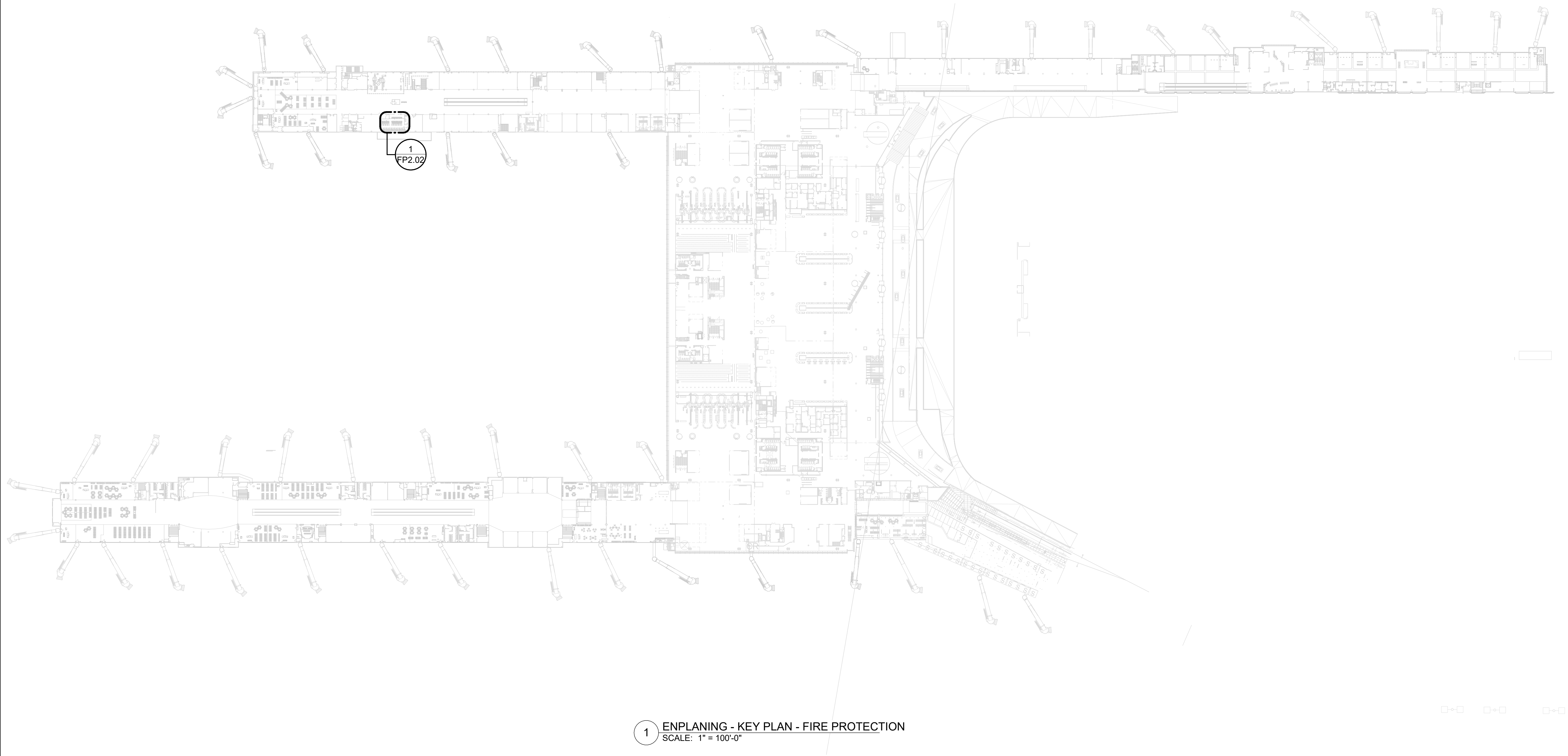
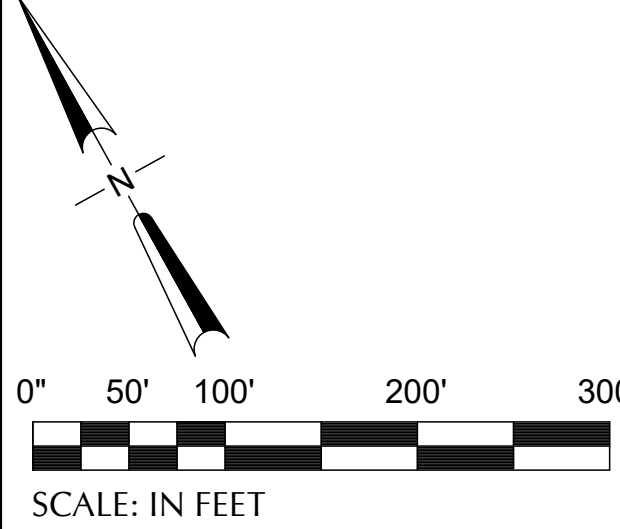
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2026D012 DESIGN NUMBER	103101 PROJECT NUMBER
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PORTLAND INTERNATIONAL AIRPORT CONCOURSE D ALL-USER RESTROOM REMODEL SYMBOLS, LEGENDS, & ABBREVIATIONS - FIRE PROTECTION	SUBMITTED BY		BRIAN FRANCIS		
	DESIGNED BY		E. WALCZYK		
	DRAWN BY		C. RICHARDS		
	CHECKED BY		T. LEWIS		
	DATE		JULY 2026		
	SHEET NO.		49	TYPE	CD
DRAWING NO.		PDX 2026-516		DISC. SHT. NO.	FP0.01



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



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

NO.	DATE	BY	REVISIONS	APP.





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2026D012
DESIGN NUMBER

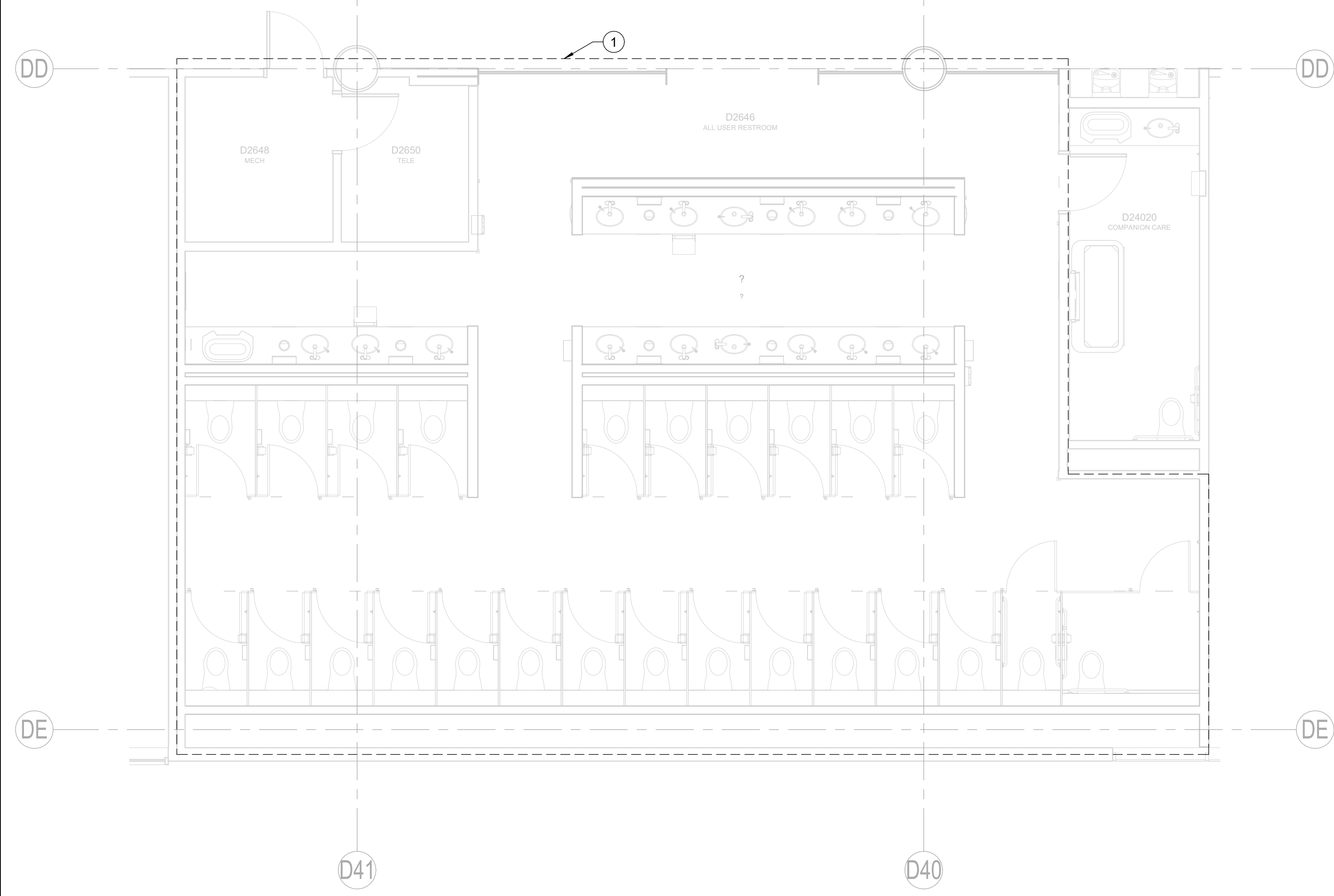
103101
PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT		SUBMITTED BY	BRIAN FRANCIS
CONCOURSE D ALL-USER RESTROOM REMODEL		DESIGNED BY	E. WALCZYK
ENPLANING LEVEL - KEY PLAN - FIRE PROTECTION		DRAWN BY	C. RICHARDS
		CHECKED BY	T. LEWIS
		DATE	JULY 2026
		SHEET NO.	50
		TYPE	CD
		DRAWING NO.	PDX 2026-516
		DISC. SHT. NO.	FP0.20

7/14/2026 10:49:43 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

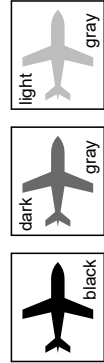
DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".



- 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.

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.

[illegible]



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.

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	TECH	TECHNOLOGY
	INSTALLED BY CONTRACTOR	TGB	TECHNOLOGY GROUND BAR
FOIC	FURNISHED BY OWNER	TMGB	TECHNOLOGY MAIN GROUND BAR
	INSTALLED BY CONTRACTOR	TGDS	TEMPORARY GENERATOR DOCKNG STATION
FOIO	FURNISHED BY OWNER	TP	TAMPERPROOF
	INSTALLED BY OWNER	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
HV	HIGH VOLTAGE		TIE CABINET
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING	USB	UNIVERSAL SERIAL BUS
		V	VOLTAGE
HZ	HERTZ	VA	VOLT AMPERES
IG	ISOLATED GROUND	VP	VAPOR PROOF
JB	JUNCTION BOX	W	WATTS
KW	KILOWATT	WAP	WIRELESS ACCESS POINT
KWH	KILOWATT HOUR	WP	WEATHER PROOF
KV	KILOVOLT	XFMR	TRANSFORMER
		XFSW	TRANSFER SWITCH

PDX ELECTRICAL EQUIPMENT NAMING CONVENTION:

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 - NEAREST 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

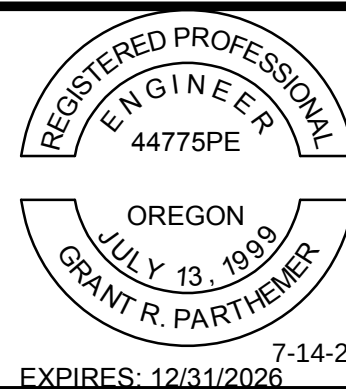
POWER - PLANS:

		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
		FLUSH FLOORBOX RECEPTACLE. REFER TO SCHEDULE FOR QUANTITY AND TYPES OF DEVICES.
		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.
		SWITCHED / CONTROLLED FLUSH FLOORBOX RECEPTACLE. REFER TO SCHEDULE & PLANS FOR CONTROL INFORMATION.
		SWITCHED / CONTROLLED FLUSH POKE-THROUGH RECEPTACLE. REFER TO SCHEDULE & PLANS FOR CONTROL INFORMATION.
		LETTER DESIGNATOR:
		E = EMERGENCY IG = ISOLATED GROUND
		U = UPS P = SURGE PROTECTIVE DEVICE
		S = STANDBY A = AFCI
		C = CRITICAL B = WITH USB OUTLETS
		H = SPLIT RECEPTACLE
		DENOTES PANELBOARD AND CIRCUIT NUMBER.
		DENOTES CIRCUIT NUMBER. REFER TO SHEET GENERAL NOTES FOR PANELBOARD.
		PEDESTAL OUTLET: POWER & SIGNAL COMBINATION
		SURFACE OUTLET STRIP: DIMENSION AS SHOWN. SEE SPECIFICATIONS.
		POWER POLE, POWER, COMBINATION CIRCUITS AS INDICATED.
		JUNCTION BOX
		JUNCTION BOX HOME RUN. CIRCUITS AS INDICATED.
		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
		TRANSFORMER
		DISCONNECT: NON FUSED, FUSED
		GROUND PAD
		NETWORKED POWER METERING/MONITORING
		ENCLOSED CIRCUIT BREAKER



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PORTLAND INTERNATIONAL AIRPORT

CONCOURSE D ALL-USER RESTROOM REMODEL

SYMBOLS, LEGENDS, & ABBREVIATIONS - ELECTRICAL

SUBMITTED BY BRIAN FRANCIS

DESIGNED BY A. NGUYEN

DRAWN BY A. NGUYEN

CHECKED BY G. PARTHEMER

DATE JULY 2026

SHEET NO. 52

TYPE CD

DRAWING NO. PDX 2026-516

DISC. SHT. NO. E0.01



	<u>EMERGENCY</u>	<u>NORMAL</u>
1. Patient's name		
2. Date of birth		
3. Sex		
4. Address		
5. Telephone		
6. Referring physician		
7. Date of admission		
8. Time of admission		
9. Referring hospital		
10. Referring physician		
11. Date of discharge		
12. Time of discharge		
13. Discharge hospital		
14. Discharge physician		
15. Date of follow-up		
16. Time of follow-up		
17. Follow-up hospital		
18. Follow-up physician		
19. Date of re-admission		
20. Time of re-admission		
21. Re-admission hospital		
22. Re-admission physician		
23. Date of re-discharge		
24. Time of re-discharge		
25. Re-discharge hospital		
26. Re-discharge physician		
27. Date of re-follow-up		
28. Time of re-follow-up		
29. Re-follow-up hospital		
30. Re-follow-up physician		

DATE	BY	REVISIONS	APP	NO.	DATE	BY
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	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.		
<table border="1" data-bbox="947 487 1003 530"> <tr> <td>ITP</td> </tr> <tr> <td>XX</td> </tr> </table>	ITP	XX		INTEGRATED TECH POLE
ITP				
XX				

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

	VS	SWITCH: VALVE SUPERVISORY, WATER FLOW
	WF	
	F	MANUAL PULL STATION (DUAL ACTION)
	H	DETECTOR: HEAT
	S	DETECTOR: SMOKE
	X	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)
			HORN; COMBINATION HORN / VISIBLE
			SPEAKER; COMBINATION SPEAKER / VISIBLE
			BELL
			CHIME; COMBINATION CHIME / VISIBLE

[illegible]

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2026D012 DESIGN NUMBER	103101 PROJECT NUMBER



PORTLAND INTERNATIONAL AIRPORT CONCOURSE D ALL-USER RESTROOM REMODEL SYMBOLS, LEGENDS, & ABBREVIATIONS 2 - ELECTRICAL	SUBMITTED BY	BRIAN FRANCIS	
	DESIGNED BY	A. NGUYEN	
	DRAWN BY	A. NGUYEN	
	CHECKED BY	G. PARTHEMER	
	DATE	JULY 2026	
	SHEET NO.	53	TYPE
DRAWING NO.		DISC. SHT. NO.	
PDX 2026-516		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.

[illegible]

1. UTILIZE EXISTING BRANCH CIRCUIT TO CONNECT TO NEW EQUIPMENT

[illegible]

 Port of Portland	
 mwa architects	 PAE 151 SW 1st Avenue #300 Portland, OR 97204 503.226.2921 pae-engineers.com
2026D012 DESIGN NUMBER	103101 PROJECT NUMBER



PORTLAND INTERNATIONAL AIRPORT	SUBMITTED BY		BRIAN FRANCIS	
	DESIGNED BY		A. NGUYEN	
CONCOURSE D ALL-USER RESTROOM REMODEL	DRAWN BY		A. NGUYEN	
	CHECKED BY		G. PARTHEMER	
EQUIPMENT CONNECTION SCHEDULE - ELECTRICAL	DATE		JULY 2026	
	SHEET NO.		54	TYPE CD
	DRAWING NO.		DISC. SHT. NO.	
	PDX 2026-516		E0.03	



GRAPHIC SCALE-FOR REFERENCE ONLY

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

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 REQUIREMENTS

																				 Port of Portland										 <									
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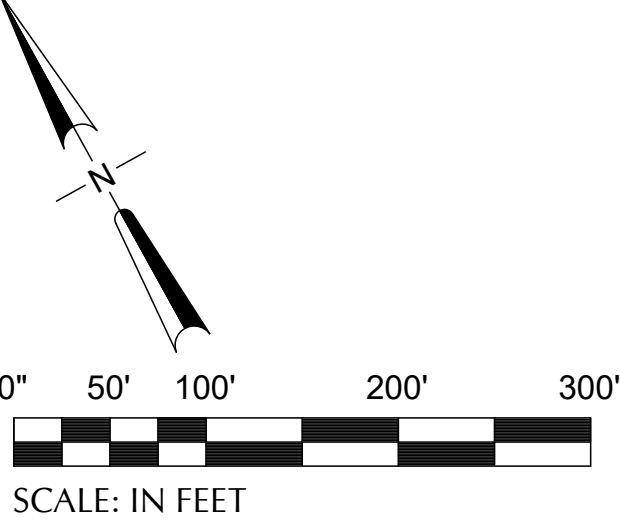
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IF ELECTRONIC SIGNATURE IS BROKEN OR MISSING - THIS IS NOT A LEGAL DRAWING

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

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

GRAPHIC SCALE: FOR REFERENCE ONLY



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

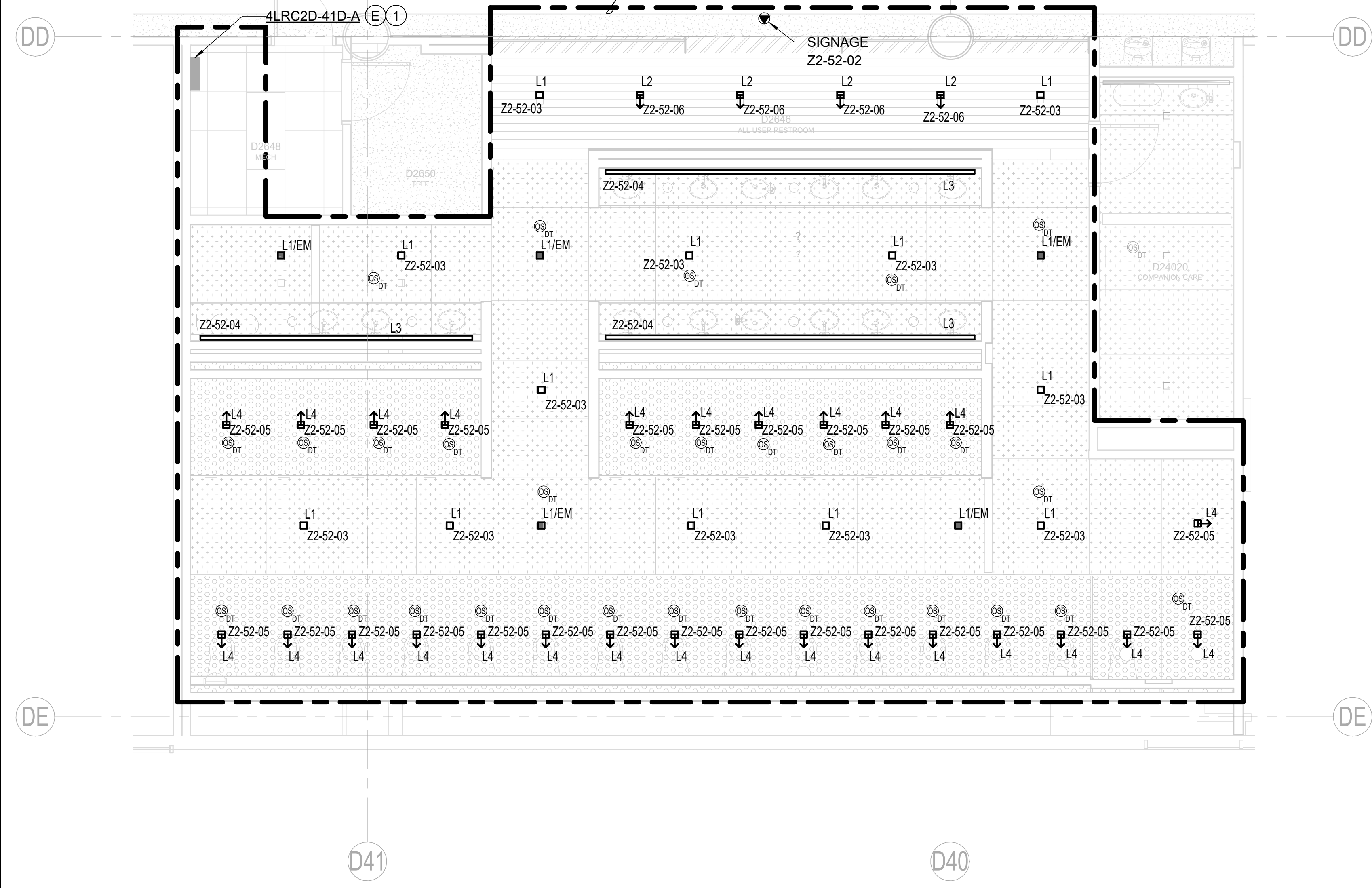
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 Port of Portland		
 mwa architects	 PAE pae-engineers.com 151 SW 1st Avenue #300 Portland, OR 97204 503.226.2921 pae-engineers.com	
2026D012 DESIGN NUMBER	103101 PROJECT NUMBER	7-14-26 EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT	SUBMITTED BY		BRIAN FRANCIS	
	DESIGNED BY		A. NGUYEN	
CONCOURSE D ALL-USER RESTROOM REMODEL	DRAWN BY		A. NGUYEN	
	CHECKED BY		G. PARTHEMER	
ENPLANING LEVEL - KEY PLAN - ELECTRICAL	DATE		JULY 2026	
	SHEET NO.		56	TYPE CD
	DRAWING NO.		PDX 2026-516	DISC. SHT. NO. E0.20

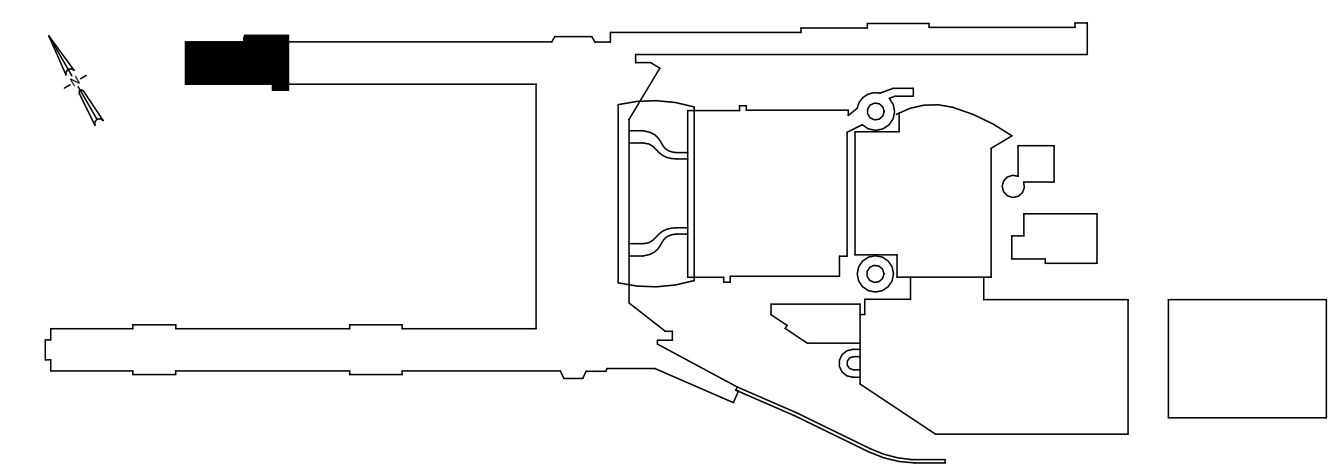
IF ELECTRONIC SIGNATURE IS BROKEN OR MISSING - THIS IS NOT A LEGAL DRAWING

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



- ## NOTES
1. ALL EQUIPMENT SHOWN IN AREA OF WORK BOUNDARY 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.
 5. ROUTE 0-10V DIMMING CONDUCTORS FROM LRC TO RESTROOM LIGHTS AND SIGNAGE SHOWN IN LIGHTING CONTROL SCHEDULE FOR DIMMING CONTROL .

1. PANEL INSTALLED IN SEPARATE CAPITAL PROJECT.



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

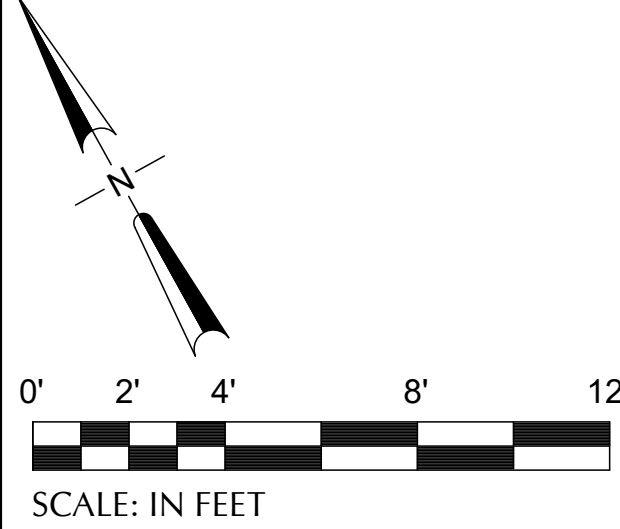
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 mwa architects	 PAE pae-engineers.com 151 SW 1st Avenue #300 Portland, OR 97204 503.226.2921 pae-engineers.com	
2026D012 DESIGN NUMBER	103101 PROJECT NUMBER	EXPIRES: 12/31/2026 7-14-26

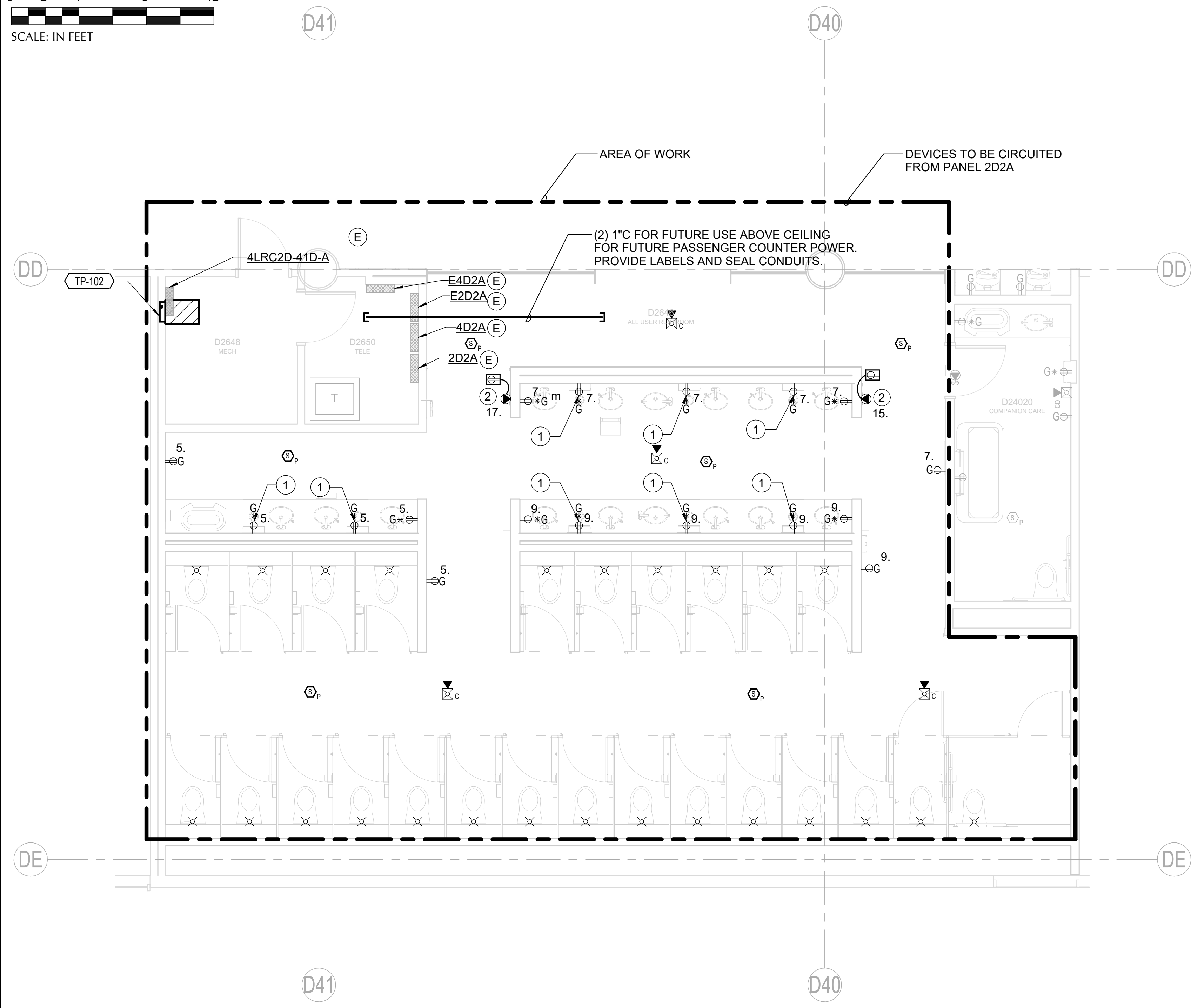
PORTLAND INTERNATIONAL AIRPORT CONCOURSE D ALL-USER RESTROOM REMODEL CONCOURSE D - ENPLANING - SECTOR 3 - D2646, D2647 - RCP - LIGHTING	SUBMITTED BY		BRIAN FRANCIS	
	DESIGNED BY		A. NGUYEN	
	DRAWN BY		A. NGUYEN	
	CHECKED BY		G. PARTHEMER	
	DATE		JULY 2026	
SHEET NO.		58	TYPE	CD
DRAWING NO.		PDX 2026-516		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.



SCALE: IN FEET



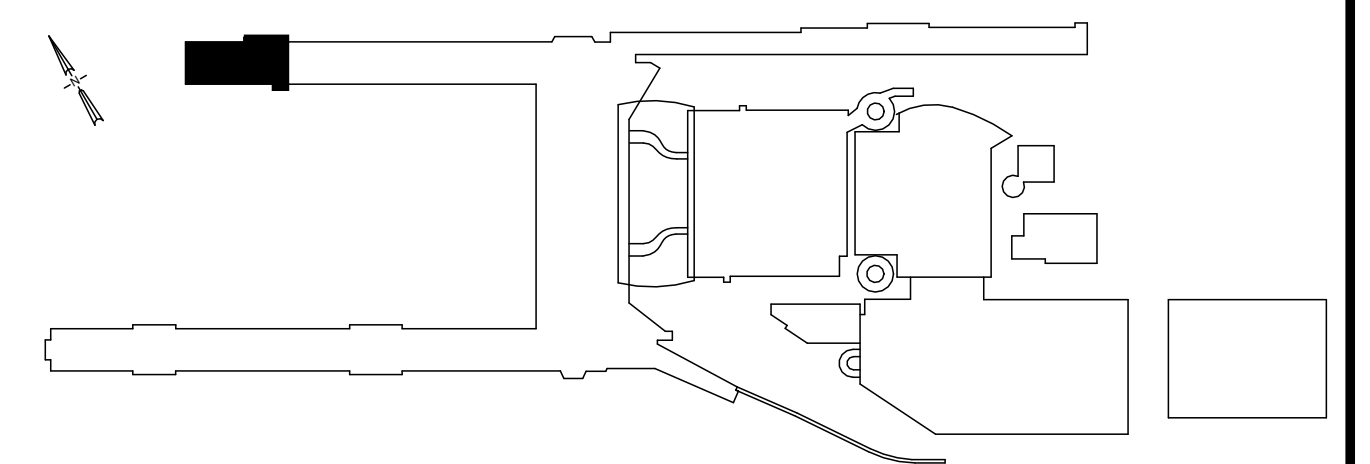
1 CONCOURSE D - SECTOR 3 - D2646, D2647 - ENPLANING - FLOOR PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"

NOTES

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

KEY NOTES

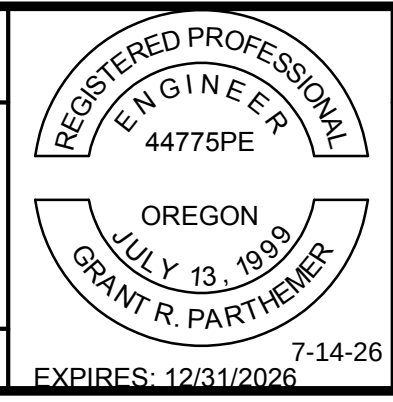
- PROVIDE DUPLEX RECEPTACLE FOR EACH TOWEL DISPENSER. LOCATE RECEPTACLE DIRECTLY ABOVE EACH DISPENSER BEHIND REMOVABLE WALL PANEL ABOVE MIRROR. PROVIDE CONDUIT IN WALL TO ROUTE CONNECTION TO DISPENSER.
- PROVIDE RECEPTACLE IN AN ENCLOSURE ABOVE THE CEILING FOR HAND DRYER PLUG-IN TRANSFORMER CONNECTION AND CONDUIT DOWN TO HAND DRYER FOR LV CABLING. PROVIDE CONDUIT FROM ENCLOSURE DOWN TO THE DISPENSER FOR POWER SUPPLY CORD ROUTING.



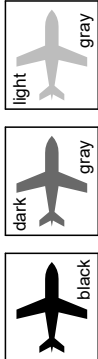
DRAWING SCALE IS REDUCED 50% WHEN SHEET SIZE IS 11" x 17".
0 4" 8" 12"
GRAPHIC SCALE FOR REFERENCE ONLY

NO.	DATE	BY	REVISIONS	APP.

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Portland, OR 97204
503.226.2921
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PORTLAND INTERNATIONAL AIRPORT		SUBMITTED BY	BRIAN FRANCIS
CONCOURSE D ALL-USER RESTROOM REMODEL		DESIGNED BY	A. NGUYEN
CONCOURSE D - ENPLANING - SECTOR 3 - D2646, D2647 - FLOOR PLAN - ELECTRICAL		DRAWN BY	A. NGUYEN
		CHECKED BY	G. PARTHEMER
		DATE	JULY 2026
		SHEET NO.	59
		TYPE	CD
		DRAWING NO.	PDX 2026-516
		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.

E											
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	Z2-52-02	D2646 SIGNAGE	NO	NO	NO	NO	YES	NO	4D2A	100	
3	Z2-52-03	D2646 ALL USER RESTROOM	OS	NO	NO	NO	NO	NO	4D2A	209	
4	Z2-52-04	D2646 ALL USER RESTROOM	OS	NO	NO	YES	NO	NO	4D2A	406	
5	Z2-52-05	D2646 ALL USER RESTROOM	OS	NO	NO	NO	NO	NO	4D2A	338	
6	Z2-52-06	D2646 ALL USER RESTROOM	OS	NO	NO	NO	NO	NO	4D2A	100	
7		SPARE									
8		SPARE									
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[illegible]



Port of Portland



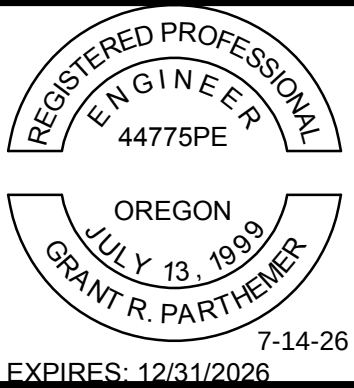
PAE

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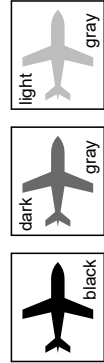
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Portland, OR 97204

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2026D012 _____ DESIGN NUMBER	103101 _____ PROJECT NUMBER
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PORTLAND INTERNATIONAL AIRPORT	SUBMITTED BY		BRIAN FRANCIS	
	DESIGNED BY		A. NGUYEN	
CONCOURSE D ALL-USER RESTROOM REMODEL	DRAWN BY		A. NGUYEN	
	CHECKED BY		G. PARTHEMER	
LIGHTING CONTROL SCHEDULE - ELECTRICAL	DATE		JULY 2026	
	SHEET NO.		60	TYPE CD
	DRAWING NO.		PDX 2026-516	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.

KEY NOTES#

1. UTILIZE AND EXTEND EXISTING CIRCUIT TO FEED NEW ADDITIONAL LOADS.

(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	20/1	7	A	8	20/1	3500	LCL	LIGHTS D2670 **			
4LRC2D-41D- RLY 1 RLY2:7			LCL	1653	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)		NOTES:				TOTAL CONNECTED LOAD VA:		98767		
(None)		11650	10912	8850		31412					MAX CONNECTED PHASE AMPS:		132.0		
EQUIPMENT (EQ)		1000	1000	1000		3000					TOTAL DESIGN LOAD VA:		122709		
LIGHT AND CONT (LCL)		32839	27153	28305		88296					MAX DESIGN PHASE AMPS:		164.1		
DESIGN LOAD PHASE SUB-TOTAL		45489	39065	38155		122709									

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 **				
4LRC2D-41D-A RLY 36/37		EQ	106	20/1	5	C	6	20/1	64		LIGHTS K2684 **				
4LRC2D-41D-A LCP POWER		EQ	150	20/1	7	A	8	20/1	0		SPARE				
SPARE			0	20/1	9	B	10		0		SPACE				
SPARE			0	20/1	11	C	12		0		SPACE				
SPACE			0		13	A	14		0		SPACE				
SPACE			0		15	B	16		0		SPACE				
SPACE			0		17	C	18		0		SPACE				
SPACE			0		19	A	20		0		SPACE				
SPACE			0		21	B	22		0		SPACE				
SPACE			0		23	C	24		0		SPACE				
SPACE			0		25	A	26		0		SPACE				
SPACE			0		27	B	28		0		SPACE				
SPACE			0		29	C	30		0		SPACE				
SPACE			0		31	A	32		0		SPACE				
SPACE			0		33	B	34		0		SPACE				
SPACE			0		35	C	36		0		SPACE				
SPACE			0		37	A	38	50/3	0		PANEL E2D2A **				
SPACE			0		39	B	40		0						
SPACE			0		41	C	42		0						
DEMAND CATEGORY		A PH(VA)	B PH(VA)	C PH(VA)	TOTAL(VA)		NOTES:				TOTAL CONNECTED LOAD VA:		8115		
(None)		3040	4810	1974	9824						MAX CONNECTED PHASE AMPS:		13.9		
EQUIPMENT (EQ)		150	0	106	256						TOTAL DESIGN LOAD VA:		10080		
											MAX DESIGN PHASE AMPS:		17.4		
DESIGN LOAD PHASE SUB-TOTAL		3190	4810	2080	10080										

4D2A

E4D2A



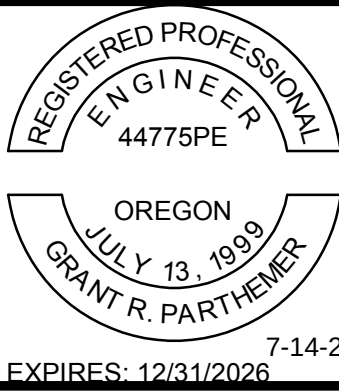
mwa architects



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PORTLAND INTERNATIONAL AIRPORT

CONCOURSE D ALL-USER RESTROOM REMODEL

PANEL SCHEDULES 1 - ELECTRICAL

SUBMITTED BY BRIAN FRANCIS

DESIGNED BY A. NGUYEN

DRAWN BY A. NGUYEN

CHECKED BY G. PARTHEMER

DATE JULY 2026

SHEET NO. 61

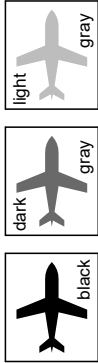
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DRAWING NO.

PDX 2026-516

DISC. SHT. NO.

E8.01

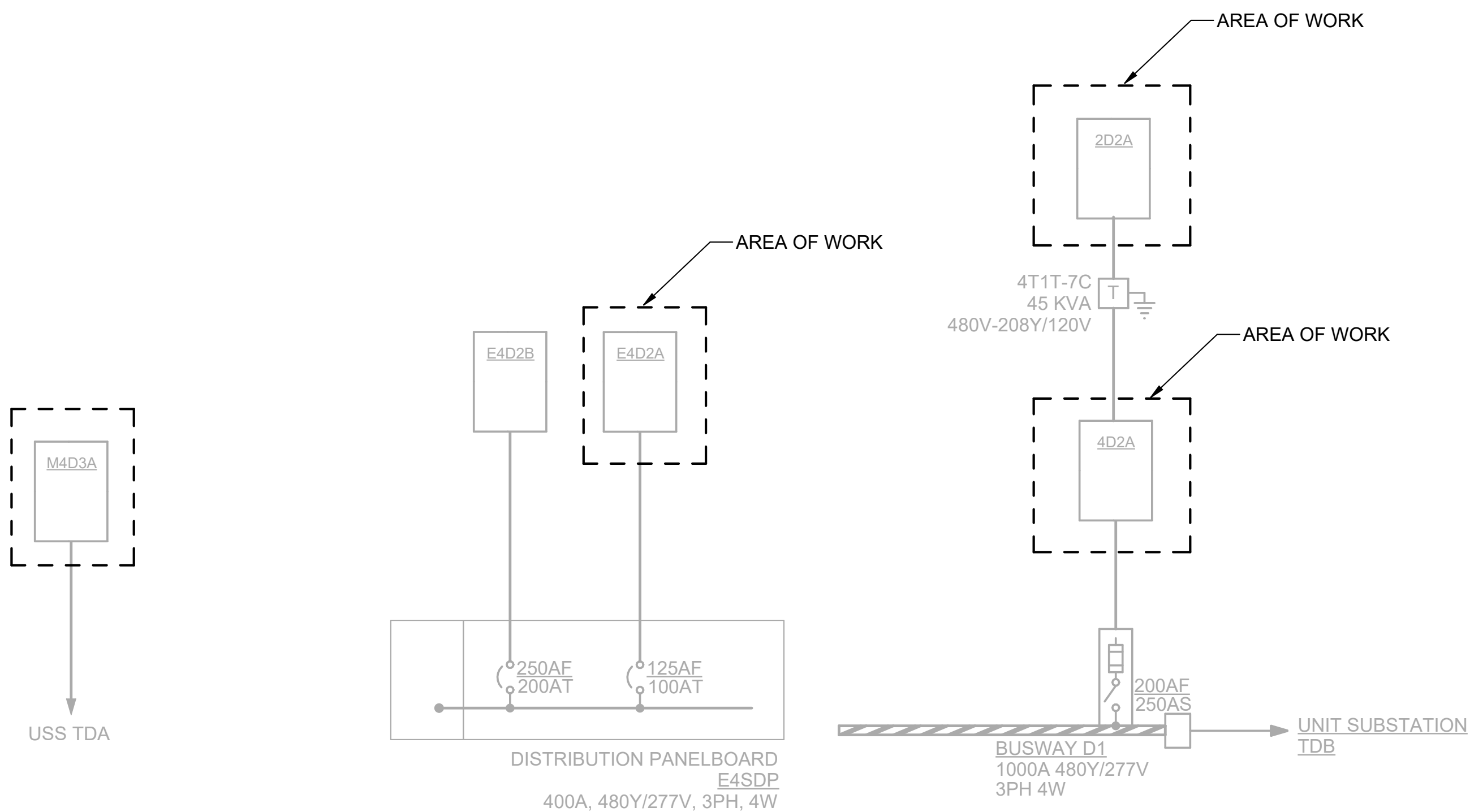


CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.

(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 AUR RECEPT		REC	640	20/1	5	C	6	20/1	1080	REC	RECEPT K2620 **			
D2644 AUR RECEPT		REC	510	20/1	7	A	8	20/1	900	REC	RECEPT K2640 **			
D2644 AUR RECEPT		REC	510	20/1	9	B	10	20/1	900	REC	RECEPT K2640 **			
SPACE			0	20/1	11	C	12	20/1	900	REC	RECEPT K2638 **			
SPARE			0	20/1	13	A	14	20/1	900	REC	RECEPT K2658 **			
D2644 HAND DRYER			1000	20/1	15	B	16	20/1	900	REC	RECEPT K2658 **			
D2644 HAND DRYER			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 **			
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)		NOTES:				TOTAL CONNECTED LOAD VA:		25700	
EQUIPMENT (EQ)		5600	4060	2050	11710						MAX CONNECTED PHASE AMPS:		82.3	
LIGHT AND CONT (LCL)		0	0	1150	1150						TOTAL DESIGN LOAD VA:		24395	
RECEPTACLES (REC)		3807	4377	3352	11535						MAX DESIGN PHASE AMPS:		78.3	
DESIGN LOAD PHASE SUB-TOTAL		9407	8437	6552	24394									



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.

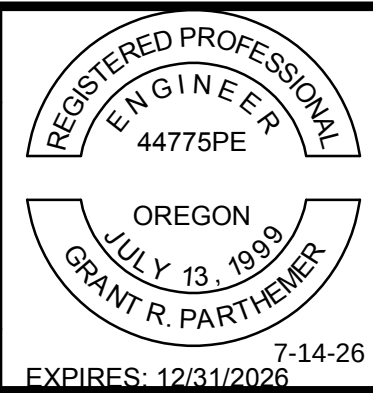


NOTES

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

[illegible]

 Port of Portland	
 mwa architects	 PAE pae-engineers.com 151 SW 1st Avenue #300 Portland, OR 97204 503.226.2921 pae-engineers.com
2026D012 103101 DESIGN NUMBER PROJECT NUMBER	



PORTLAND INTERNATIONAL AIRPORT CONCOURSE D ALL-USER RESTROOM REMODEL CONCOURSE D PARTIAL ONE LINES - ELECTRICAL	SUBMITTED BY		BRIAN FRANCIS		
	DESIGNED BY		A. NGUYEN		
	DRAWN BY		A. NGUYEN		
	CHECKED BY		G. PARTHEMER		
	DATE		JULY 2026		
	SHEET NO.		63	TYPE	CD
	DRAWING NO.		PDX 2026-516		DISC. SHT. NO.

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

	CONDUIT RISE
	CONDUIT DROP
	CONDUIT
	UNDERGROUND CONDUIT
	CONTINUATION, STUB, HOMERUN
	AERIAL
	JUNCTION BOX
	"PB" PULL BOX, "VT" VAULT/MAINTENANCE, "HH" HAND HOLE
	UTILITY POLE
	CABLE TRAY: LADDER
	CABLE TRAY: WIRE MESH
	CABLE TRAY: SOLID BOTTOM
	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)

	DOOR INDICATES DOOR NUMBER, "A" AND "B" INDICATES SECURED/NON-SECURED SIDES OF DOOR. SEE SCHEDULE FOR ADDITIONAL REQUIREMENTS.
	CREDENTIAL READER: "B" COMBINATION BIOMETRIC AND CARD READER, "P" COMBINATION KEYPAD AND CARD READER, "B,P" COMBINATION KEYPAD/KEYPAD/CARD READER, "M" MAG-STRIPE READER
	CREDENTIAL READER, WIRELESS
	WIRELESS PANEL INTERFACE MODULE
	VEHICLE CREDENTIAL READER
	DOOR OPERATOR (ADA) BUTTON
	DOOR RELEASE BUTTON
	DOOR CONTACT
	KEYPAD: "I" INTRUSION ALARM, "A" ACCESS CONTROL
	DURESS ALARM BUTTON: WALL, UNDER DESK/COUNTER
	MOTION SENSOR: WALL, CEILING
	GLASS BREAK DETECTOR: WALL, CEILING
	STROBE: WALL, CEILING
	SPEAKER: WALL, CEILING
	SURVEILLANCE CAM., FIXED: WALL, POLE/PARAPET, CEILING
	SURVEILLANCE CAM., PTZ: WALL, POLE/PARAPET, CEILING
	SURVEILLANCE CAM., MULTI-SENSOR: WALL, POLE/PARAPET, CEILING
CAM:E - #	CAMERA TYPE AND NUMBER. SEE SCHEDULE FOR ADDITIONAL REQUIREMENTS.

TYPICAL ALL OUTLETS: PROVIDE TWO (2) CABLES PER OUTLET (UON)
 OUTLET TYPE: DATA
 OUTLET TYPE: COMBINATION TELEPHONE/DATA
 OUTLET TYPE: TELEPHONE
 OUTLET DESIGNATORS: "E" EQUIPMENT OUTLET, "W" TELEPHONE
 OUTLET WITH MOUNTING STUDS, "#" QTY OF CABLES.
 *
 OUTLET MOUNTING: WALL, ABOVE COUNTER, CEILING
 E EMERGENCY TELEPHONE

	<u>CEILING-MOUNTED LOUDSPEAKER TYPES</u> 'PA#' INDICATES TYPE. '##' INDICATES ZONE. REFERENCE PAGING SPECIFICATION FOR SPECIFIC INFORMATION ON EACH TYPE.	
	<u>WALL-MOUNTED LOUDSPEAKER TYPES</u> '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	
	DESK MOUNTED PAGING STATION	WALL MOUNTED PAGING STATION

Diagram illustrating the structure of a 12-bit address (X's) for a 4096-word memory:

- (D) DEMO, (R) REPLACE, BLANK IF NEW
- CABLE IDENTIFIER
- SECTOR NUMBER
- LEVEL:
 - 00 - TUNNEL
 - 01 - DEPLANING
 - 02 - ENPLANING
 - 03 - MEZZANINE
 - 04 - ROOF

PORTLAND INTERNATIONAL AIRPORT

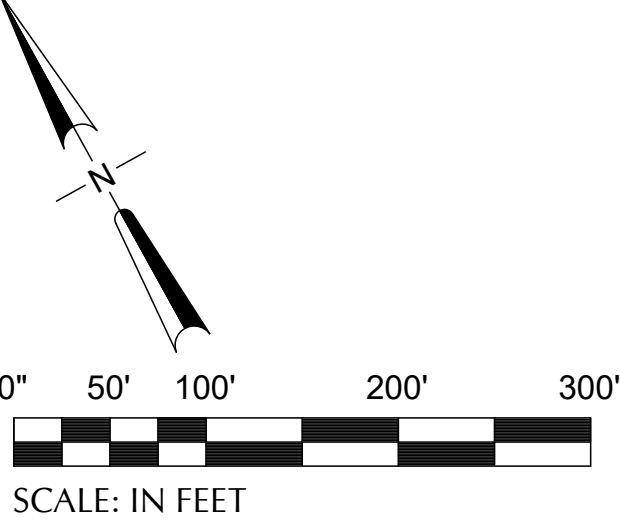
CONCOURSE D ALL-USER RESTROOM REMODEL

SYMBOLS, LEGENDS, & ABBREVIATIONS - TECHNOLOGY

GRAPHIC SCALE FOR REFERENCE ONLY

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

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



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

[illegible]

 Port of Portland		
 mwa architects	 PAE pae-engineers.com 151 SW 1st Avenue #300 Portland, OR 97204 503.226.2921 pae-engineers.com	
2026D012 DESIGN NUMBER	103101 PROJECT NUMBER	EXPIRES: 12/31/2026

PORTLAND INTERNATIONAL AIRPORT	SUBMITTED BY		BRIAN FRANCIS	
	DESIGNED BY		A. PULVER	
CONCOURSE D ALL-USER RESTROOM REMODEL	DRAWN BY		B. PARTHEMER	
	CHECKED BY		R. LALUM	
ENPLANING LEVEL - KEY PLAN - TECHNOLOGY	DATE		JULY 2026	
	SHEET NO.		65	TYPE CD
	DRAWING NO.		DISC. SHT. NO.	
	PDX 2026-516		T0.20	

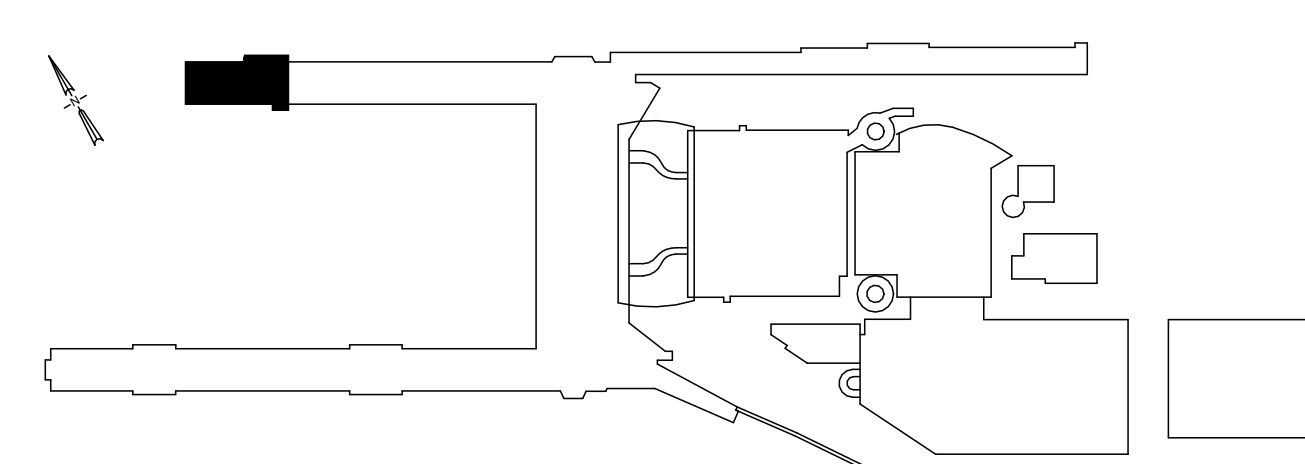
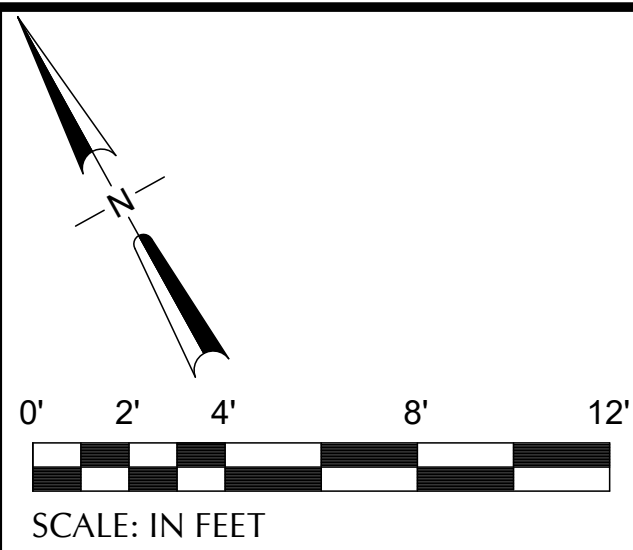
IF ELECTRONIC SIGNATURE IS BROKEN OR MISSING - THIS IS NOT A LEGAL DRAWING

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

GRAPHIC SCALE FOR REFERENCE ONLY

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

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



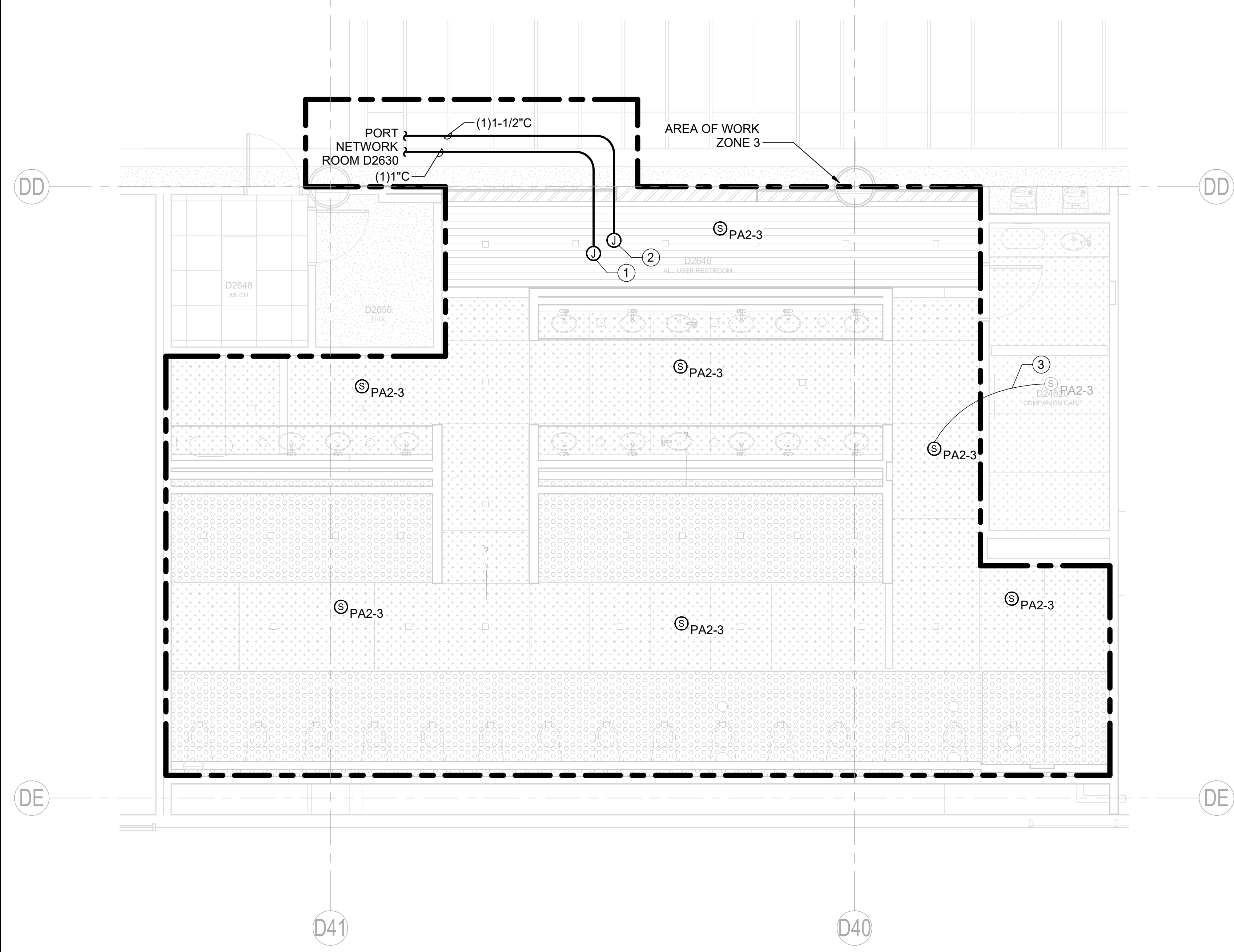
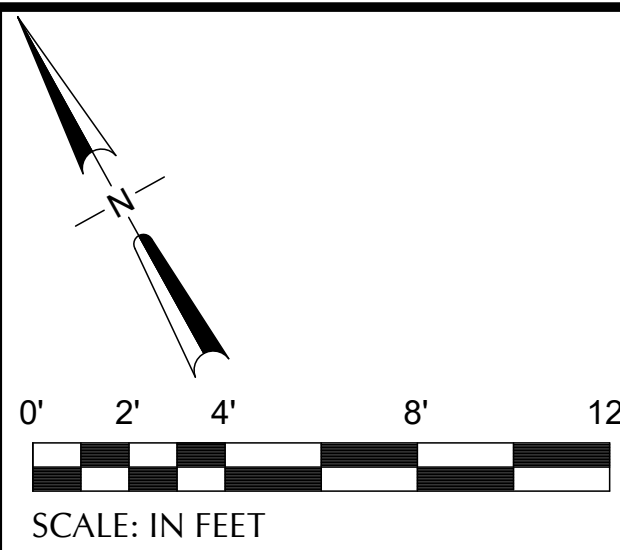
- A. PAGING CIRCUIT AND OPERATION TO BE MAINTAINED FOR CONNECTED DEVICES OUTSIDE OF AREA OF WORK.
- B. DEMO SPEAKERS, CABLING, AND SPEAKER CONDUIT WITHIN AREA OF WORK.

1. DEMO SPEAKER CABLING AND CONDUIT TO EXISTING SPEAKER JUNCTION BOX.

SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	A. PULVER		
DRAWN BY	B. PARTHEMER		
CHECKED BY	R. LALUM		
DATE	JULY 2026		
SHEET NO.	66	TYPE	CD
DRAWING NO.	PDX 2026-516		DISC. SHT. NO. T1.02



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.



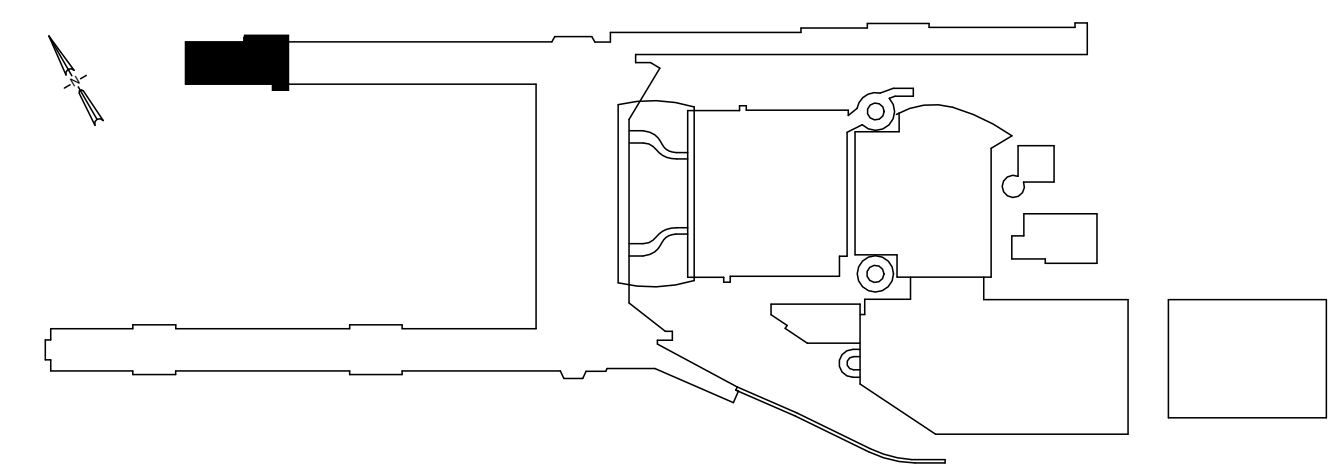
1 CONCOURSE D - SECTOR 3 - D2646, D2647 - ENPLANING - CEILING PLAN - TECHNOLOGY
SCALE: 1/4" = 1'-0"

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 JUNCTION BOX FOR PAGING CIRCUIT.
2. ABOVE CEILING JUNCTION BOX FOR FUTURE OCCUPANCY COUNTER.
3. CONNECT EXISTING PAGING SPEAKER TO NEW PAGING CIRCUIT. REMOVE EXISTING CIRCUIT CONNECTIONS AS REQUIRED AND PROVIDE ALL NEW CABLING, SPLICES, AND TERMINATIONS.



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

NO.	DATE	BY	REVISIONS	APP.

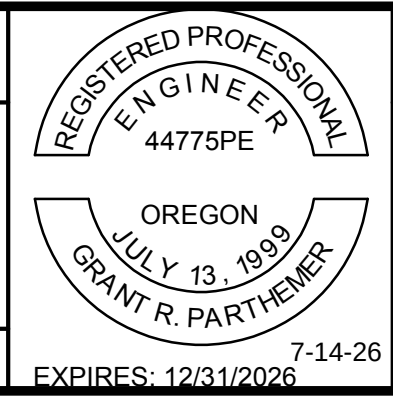
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Portland, OR 97204

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DESIGN NUMBER

103101
PROJECT NUMBER



PORTLAND INTERNATIONAL AIRPORT	
CONCOURSE D ALL-USER RESTROOM REMODEL	
CONCOURSE D - ENPLANING - SECTOR 3 - D2646, D2647 - FLOOR PLAN - TECHNOLOGY	

SUBMITTED BY	BRIAN FRANCIS	
DESIGNED BY	A. PULVER	
DRAWN BY	B. PARTHEMER	
CHECKED BY	R. LALUM	
DATE	JULY 2026	
SHEET NO.	67	TYPE CD
DRAWING NO.	PDX 2026-516	
DISC. SHT. NO.	T2.02	

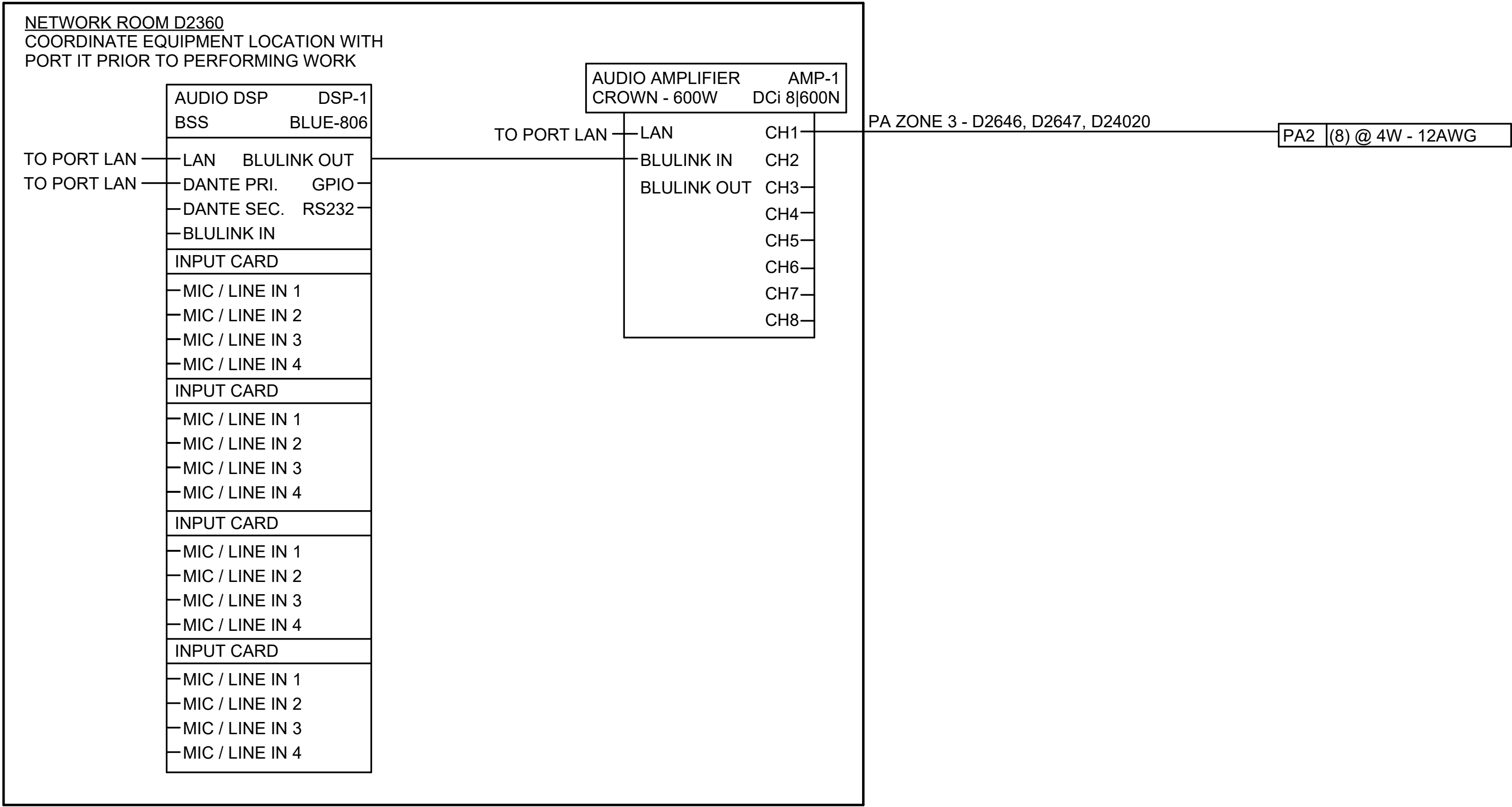


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SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	A. PULVER		
DRAWN BY	B. PARTHEMER		
CHECKED BY	R. LALUM		
DATE	JULY 2026		
SHEET NO.	68	TYPE	CD
DRAWING NO.	PDX 2026-516		DISC SHT. NO. T5.01

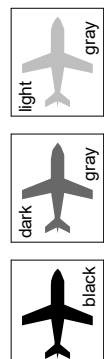
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



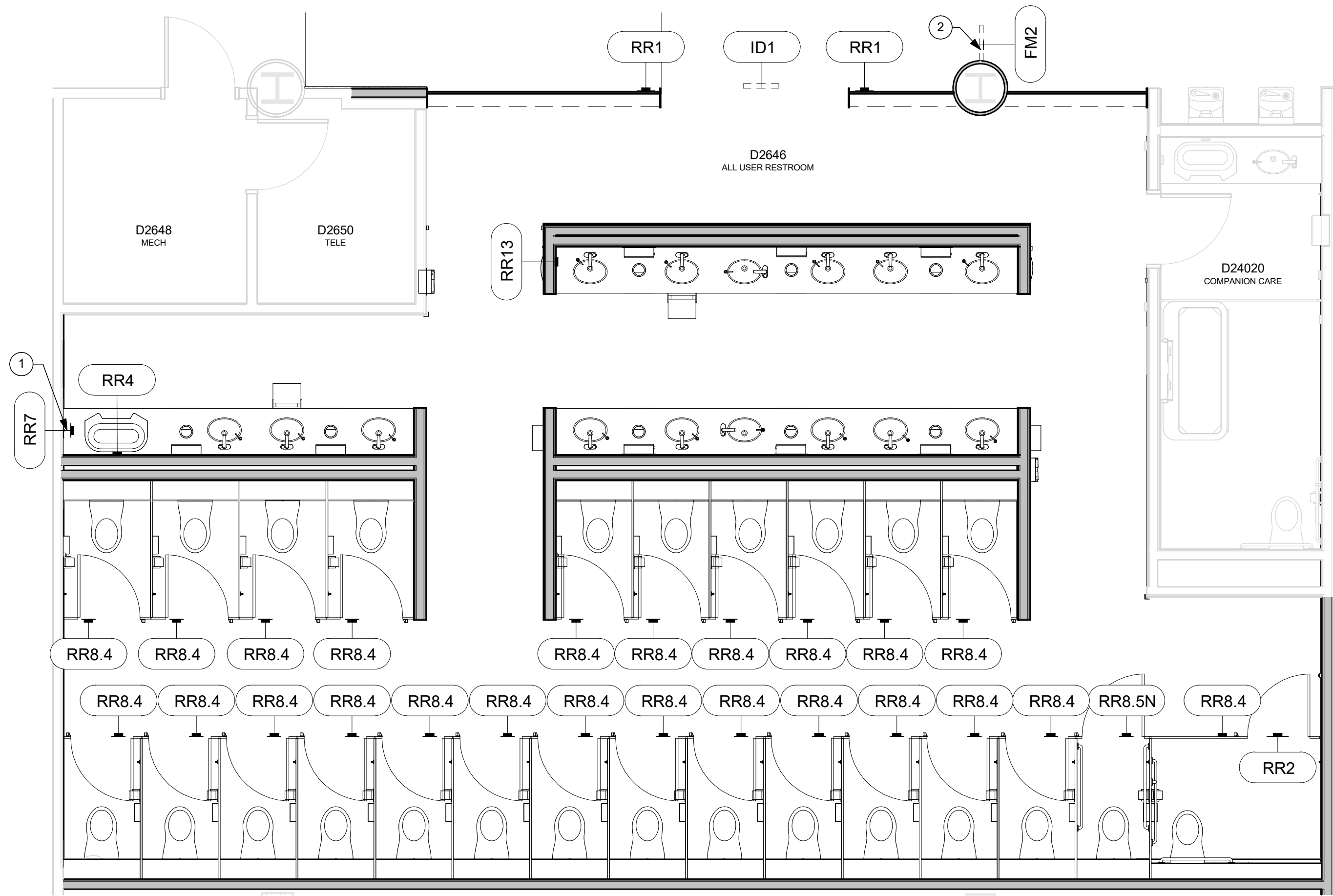
1 PAGING FUNCTIONAL DIAGRAM - D2646, D2647, D24020
SCALE: N.T.S.

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

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1 D2646 - SIGNAGE
SCALE: 1/4" = 1'-0"

NOTES

- SIGNAGE LOCATION PLAN IS FOR REFERENCE ONLY.
- SEE SIGNAGE SCHEDULE G3.00.
- CONTRACTOR TO COORDINATE ALL BACKING FOR WALL MOUNTED ACCESSORIES AS NEEDED.

KEYNOTES

- OSCI
- SIGN HEIGHT DIFFERS FROM STANDARD MOUNTING HEIGHT. SEE INTERIOR ELEVATIONS FOR MOUNTING HEIGHT AND CONFIRM WITH PORT PRIOR TO INSTALLATION.

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.

2026D012 DESIGN NUMBER	103101 PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT
CONCOURSE D ALL-USER RESTROOM
SIGNAGE PLAN

SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	A. COOK		
DRAWN BY	M. PHILLIPS		
CHECKED BY	J. ROOT		
DATE	JULY 2026		
SHEET NO.	70	TYPE	CD
DRAWING NO.	PDX 2026-516		DISC. SHT. NO. G1.00



- 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.

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.

Diagram illustrating the dimensions and components of a sign assembly:

- HOLE FOR 1/4" FLAT SOCKET HEAD CAP SCREWS AT GYPSUM. TO MINIMIZE VISIBILITY, PAINT TO MATCH SIGN FACE.**
- 1/8" SPACER PANEL AT WOOD, GLASS, METAL, CONCRETE, AND CMU**
- 1/8" WELDED PIN MOUNT AT CONCRETE AND CMU**
- VINYL BACKER AT GLASS**

Dimensions shown:

- VARIES (Overall width)
- 1/2" TYP. (Distance from left edge to hole center)
- 1" TYP. (Distance from right edge to hole center)
- 1/2" TYP. (Distance from top edge to hole center)
- 1/8" (Distance from bottom edge to hole center)
- VARIES (Overall height)

NOTE: ALL MOUNTING METHODS SHOWN, SEE TYPICAL MOUNTING SURFACES DETAIL FOR MOUNTING METHOD AND SURFACES.

8" V.I.F.

EXISTING DIAPER CHANGING LINER DISPENSER

1/4"

NOTE: INSTALLER TO FIELD
VERIFY LOCATION AND
DIMENSIONS OF STALL DOOR
HANDLE PRIOR TO FABRICATION
AND INSTALLATION.

Diagram showing the connection of the RR4 cable to the mounting bracket. The cable is labeled "RR4" and is connected to the bracket. Below the diagram, a note states: "NOTE: INSTALLER TO CONFIRM MOUNTING LOCATION PRIOR TO INSTALLATION".

**NOTE:
INSTALLER TO
CONFIRM
MOUNTING
LOCATION
PRIOR TO
INSTALLATION**

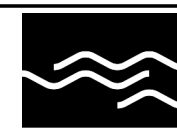
Diagram showing the vertical offset of the top of the sign from the RR8.4 grade line. A vertical line with an arrow at the bottom points to the top of the sign, labeled "TO TOP OF SIGN". A horizontal line with an arrow at the right points to the RR8.4 grade line.

Diagram of a rectangular sign. A downward arrow is labeled **RR8.5N**. A vertical dimension line indicates the distance from the top of the sign to the top of the sign, labeled **TO TOP OF SIGN** and **S = 0 A.F.F.**

Diagram illustrating the connection of the RR13 component to the SI, CO, PC, AL, and AC components.

— SIGN TYPE RR13 FABRICATOR TO
CONFIRM MOUNTING LOCATION WITH
PORT PRIOR TO INSTALLATION.
ALIGN TO OTHER SIGNS AND
ACCESSORIES WHERE APPLICABLE

Diagram showing the 9' - 6" A.F.F. TO BOTTOM OF SIGN dimension. The dimension is indicated by a vertical line with arrows at both ends, labeled "9' - 6" A.F.F. TO BOTTOM OF SIGN". The dimension is measured from the bottom of the sign to the top of the structure.

 **Port of Portland**

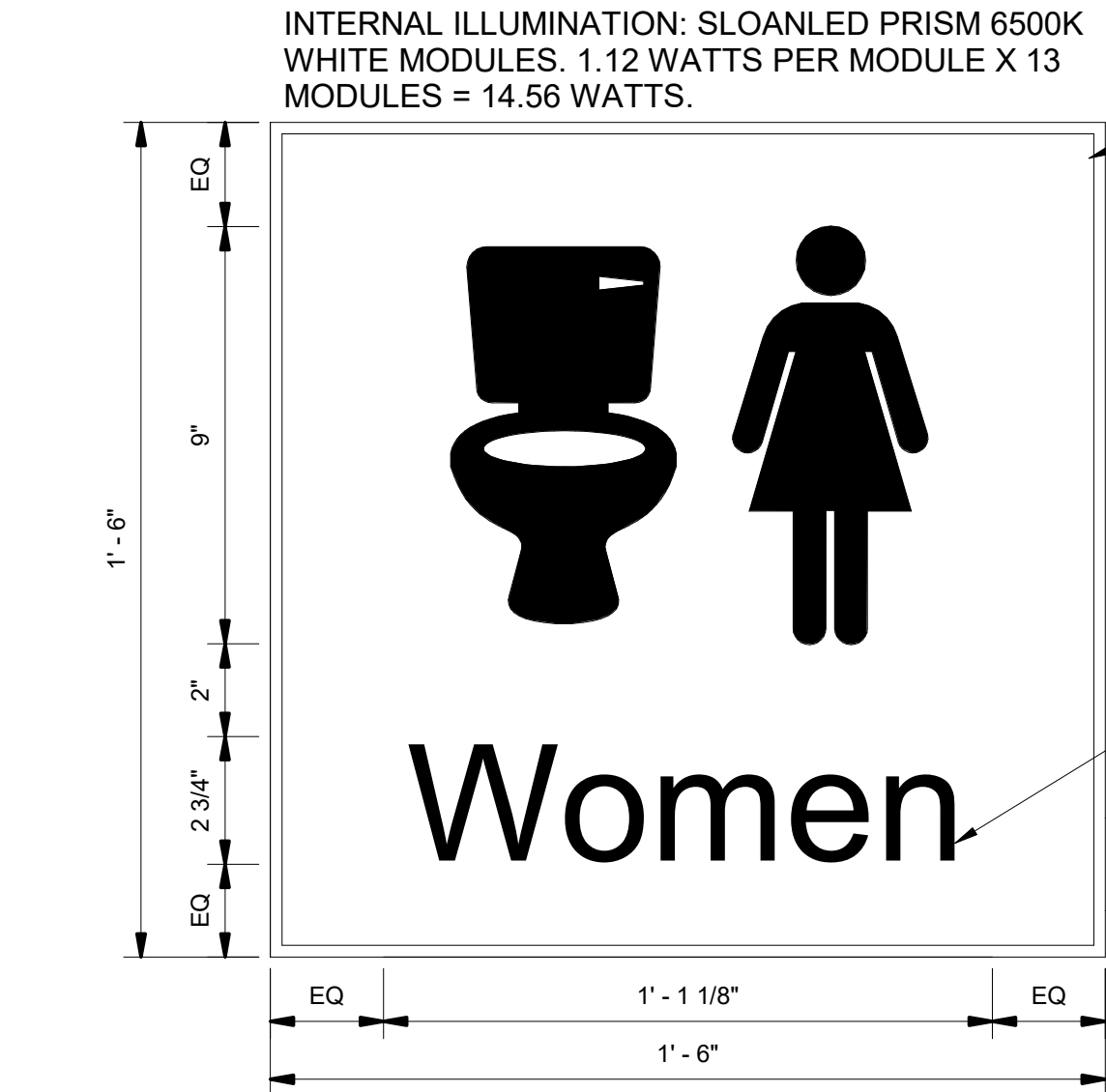
mwa architects

2026D012
DESIGN NUMBER103101
PROJECT NUMBER

DETAILS - SIGNAGE STANDARDS

SUBMITTED BY	BRIAN FRANCIS		
DESIGNED BY	A. COOK		
DRAWN BY	M. PHILLIPS		
CHECKED BY	J. ROOT		
DATE	JULY 2026		
SHEET NO.	71	TYPE	CD
DRAWING NO.	PDX 2026-516		DISC. SHT. NO. G2.00

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.

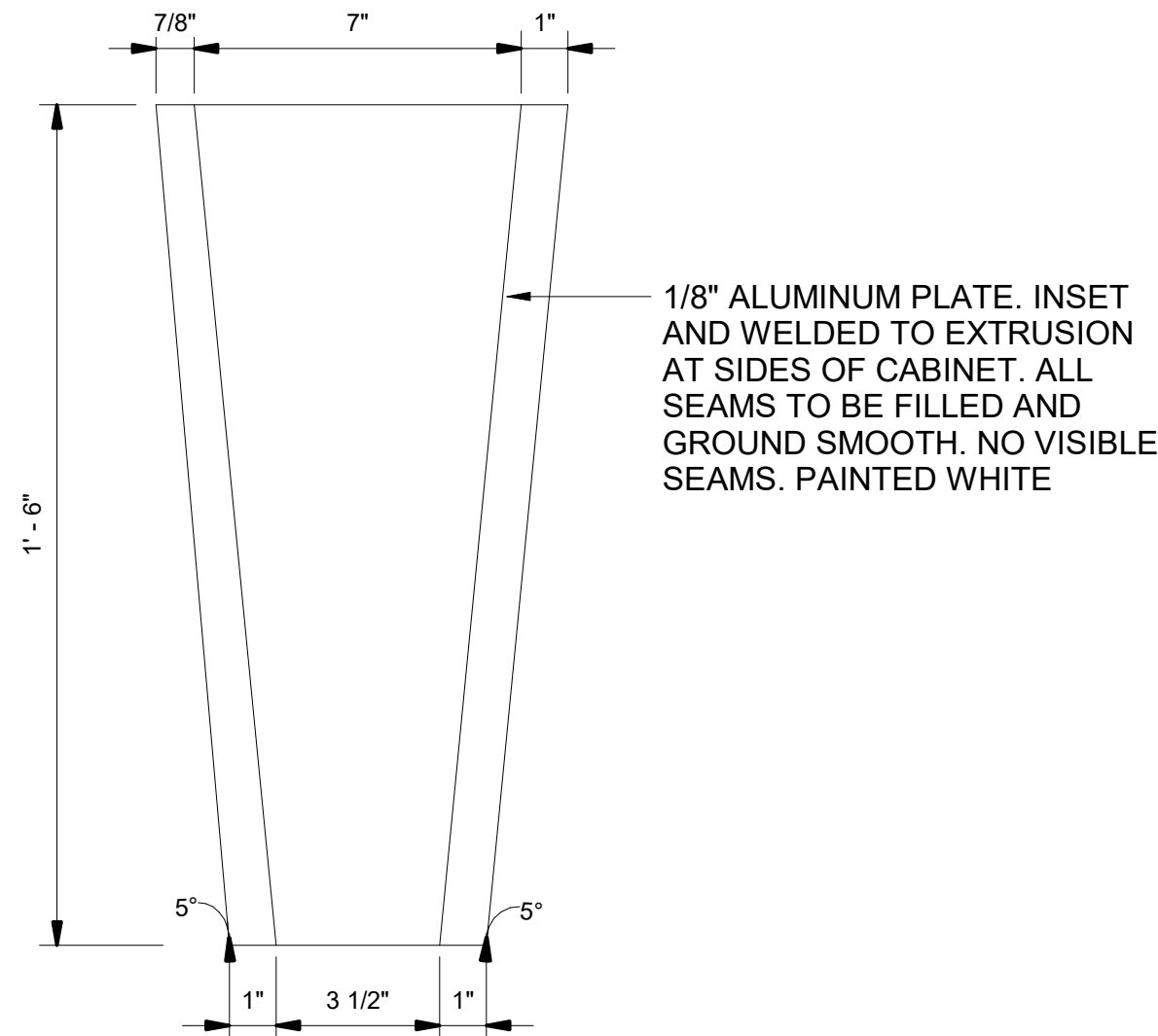


1 FM2 ELEVATION
SCALE: 3" = 1'-0"

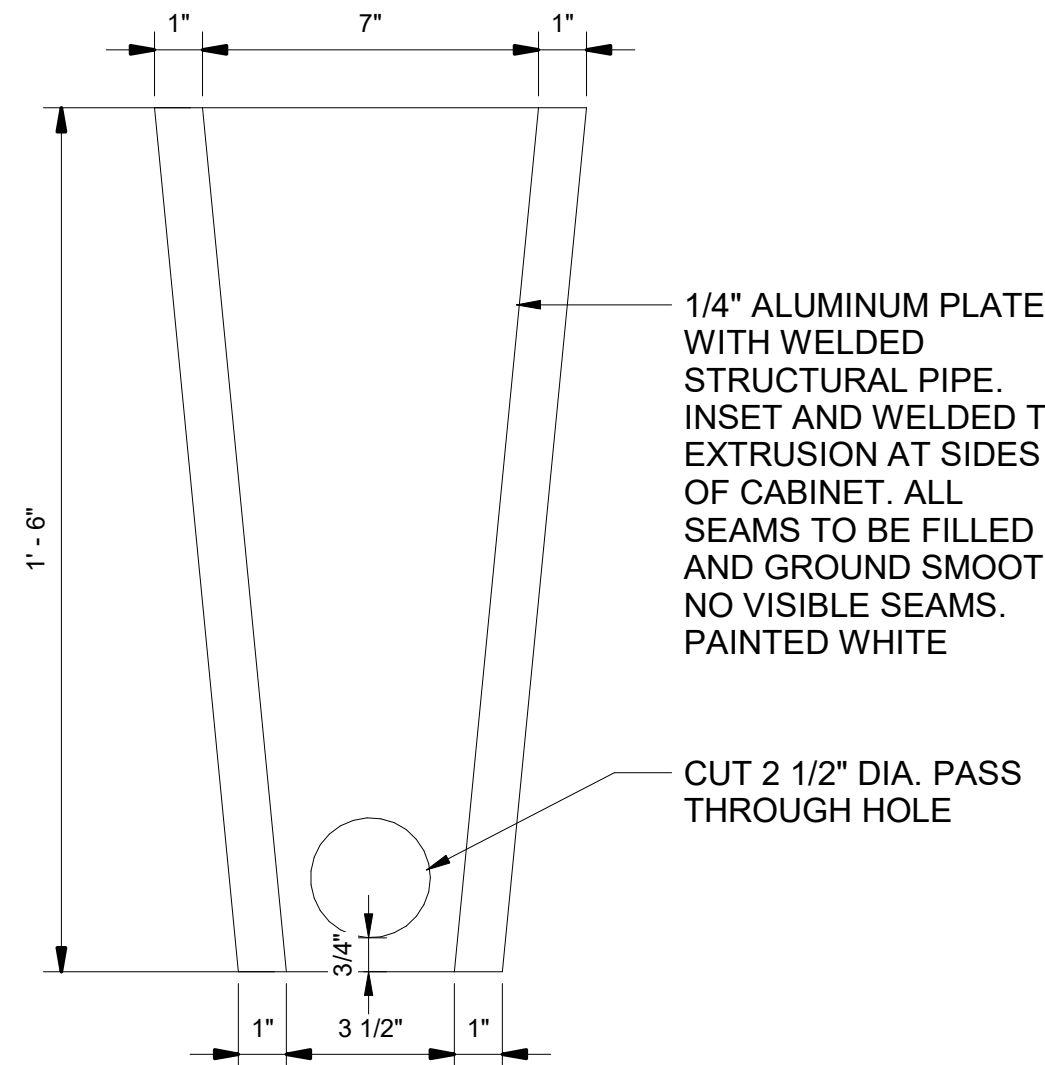
FABRIC SIGN FACE: WHITE TRANSLUCENT DIRECT PRINT GRAPHICS/TEXT. ENTIRE SIGN TO BE PRINTED WITH UV INKS. BACKGROUND TO BE OPAQUE WITH SMOOTH, EVENLY DISTRIBUTED PRINTED SURFACE AND MATCH PANTONE 2955. GRAPHICS TO BE TRANSLUCENT AND MATCH WHITE. ENTIRE SIGN FACE INTENDED TO BE BACK ILLUMINATED.

FONT: HELVETICA NEUE LT STD LIGHT, COLOR: WHITE

MOUNT TO WALL OR COLUMN WITH STEEL CONNECTION PLATE AND ANCHORS. ALL CONNECTIONS TO EXISTING STRUCTURE TO BE REVIEWED BY PORT. EXISTING STRUCTURE SUPPORTING NEW SIGN TO BE EVALUATED FOR IMPOSED LOADS. WHERE REQUIRED PROVIDE ADDITIONAL STRUCTURE TO SUPPORT NEW SIGN



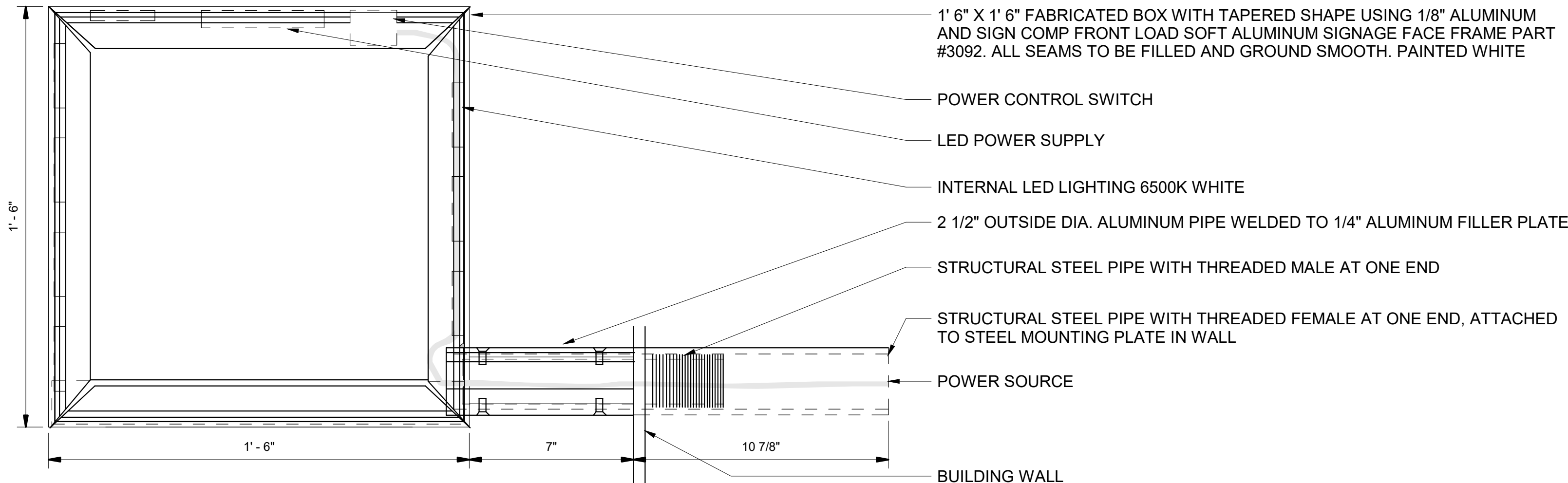
2 FM2 OUTSIDE FILLER ELEVATION
SCALE: 3" = 1'-0"



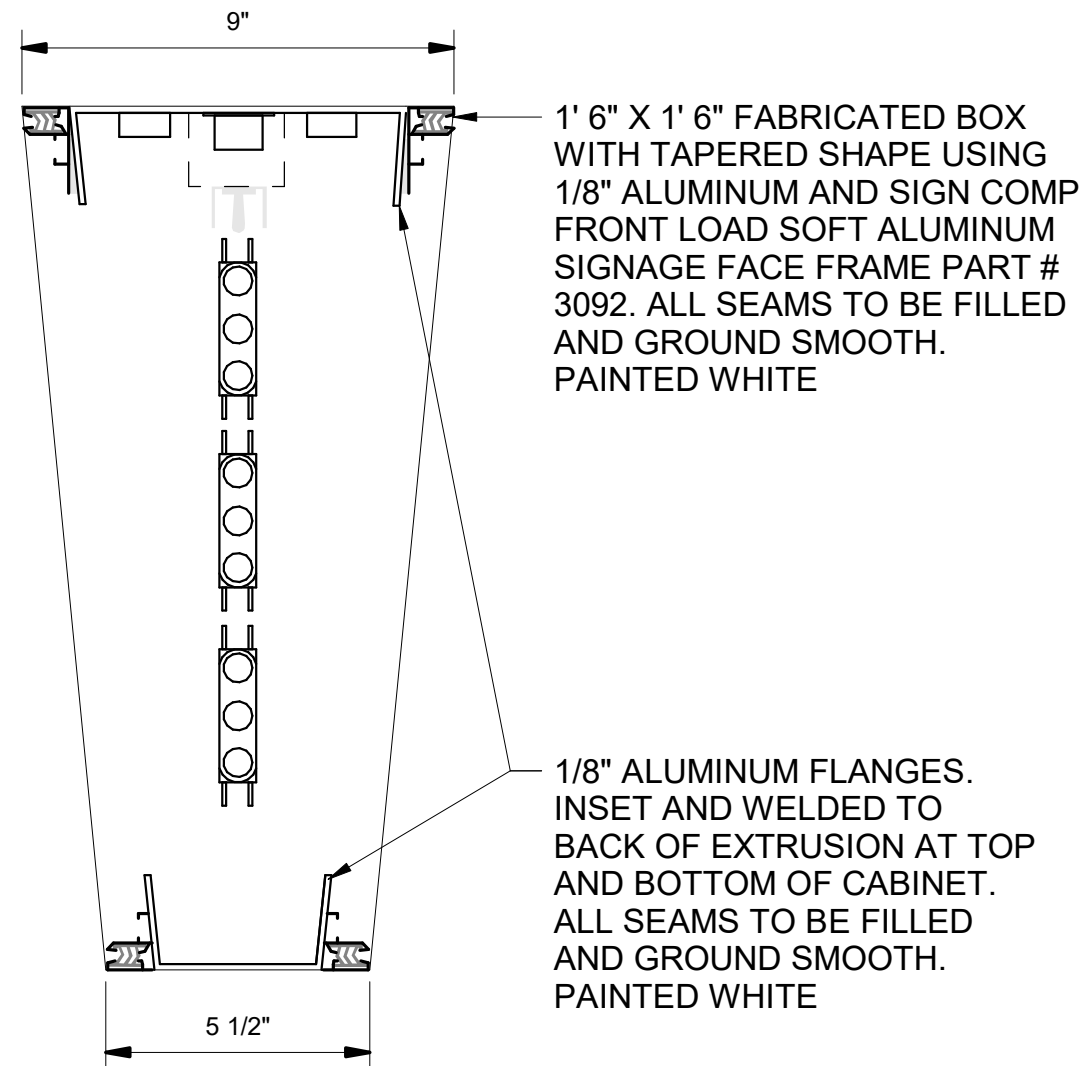
3 FM2 INSIDE FILLER ELEVATION
SCALE: 3" = 1'-0"

NOTES

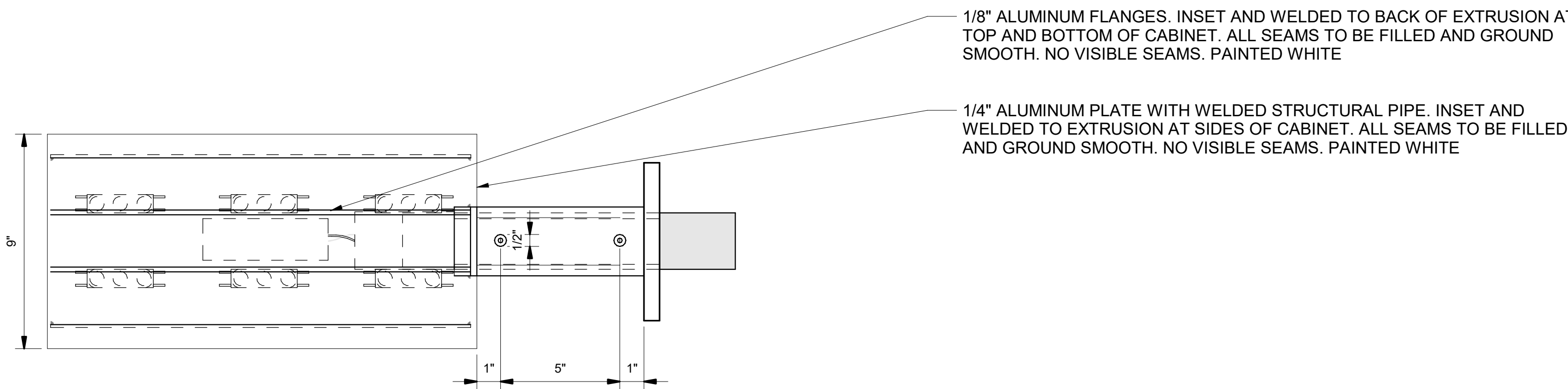
- STRUCTURAL/INSTALLATION METHOD: REFER TO STRUCTURAL CONSULTANT FOR FINAL MOUNTING/INSTALLATION METHODS.
- MOUNTING METHOD IS DETERMINED BY WALL SURFACE. SEE "TYPICAL MOUNTING SURFACES" DETAIL.
- FIELD VERIFICATION: FABRICATOR TO FIELD VERIFY MOUNTING LOCATIONS PRIOR TO INSTALLATION.
- MESSAGES: MESSAGES SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY, NOT FOR CONSTRUCTION.
- 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"

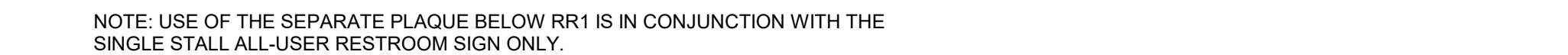


2026D012
DESIGN NUMBER

103101
PROJECT NUMBER

PORTLAND INTERNATIONAL AIRPORT		SUBMITTED BY	BRIAN FRANCIS
CONCOURSE D ALL-USER RESTROOM		DESIGNED BY	A. COOK
DETAILS - SIGN TYPE FM2		DRAWN BY	M. PHILLIPS
		CHECKED BY	J. ROOT
		DATE	JULY 2026
		SHEET NO.	72
		TYPE	CD
		DISC. SHT. NO.	G2.01

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



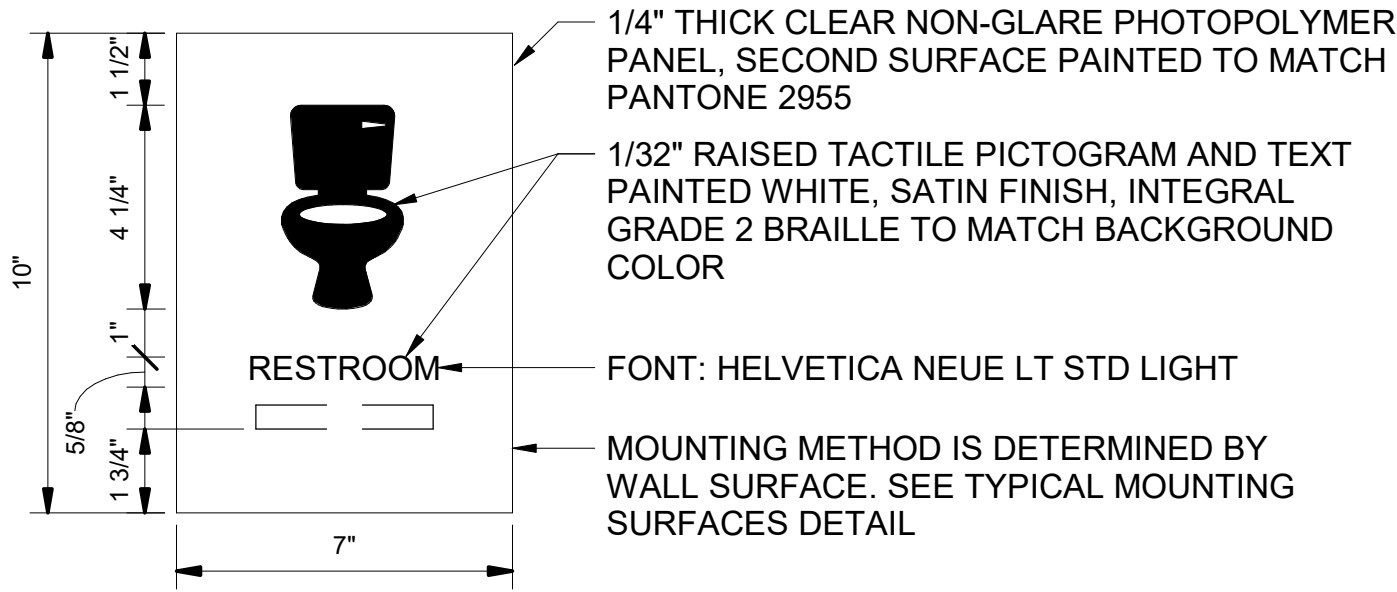
3 RR1 (ALL-USER) ELEVATION
SCALE: 3" = 1'-0"



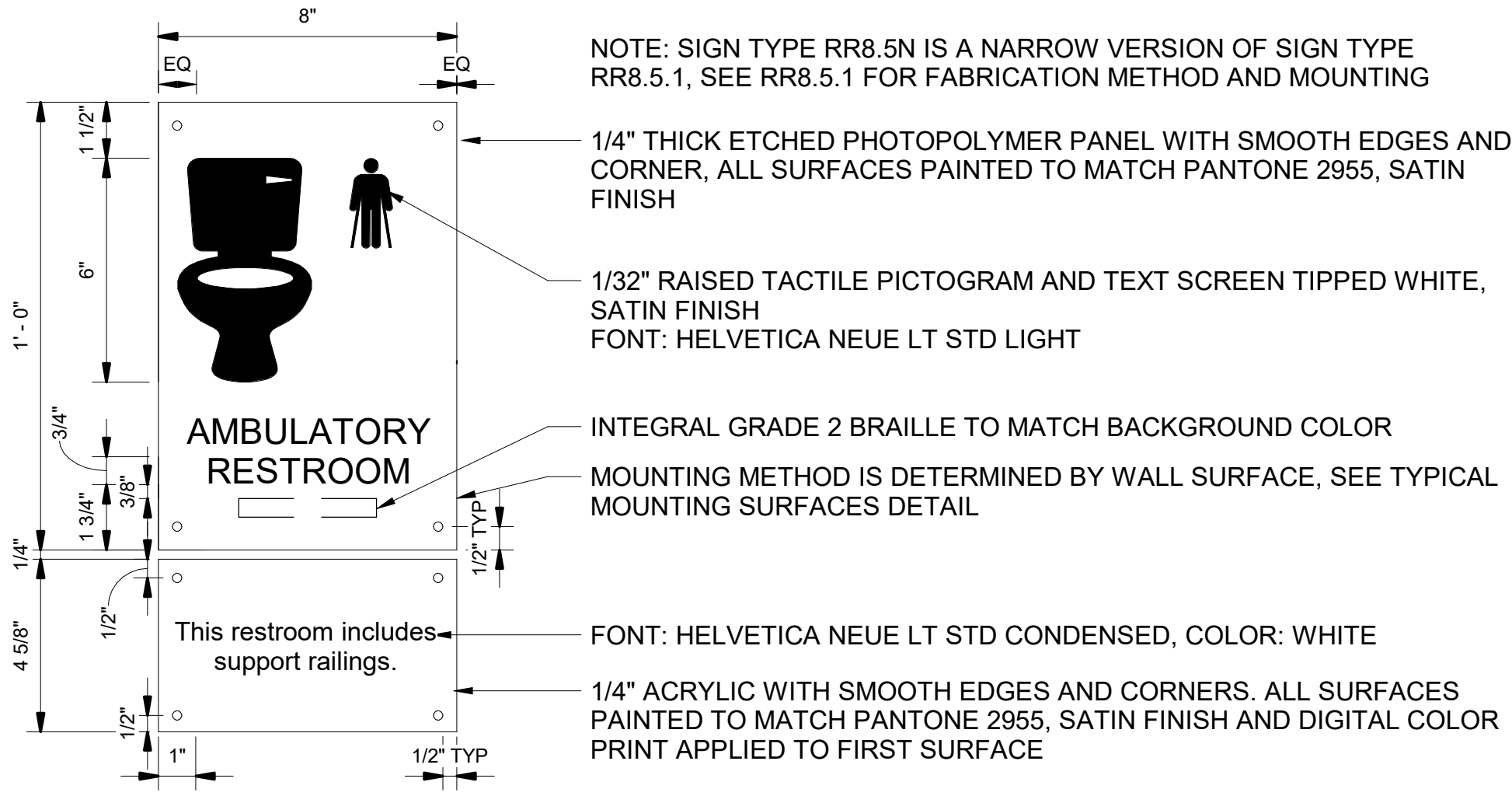
1. STRUCTURAL/INSTALLATION METHOD: REFER TO STRUCTURAL CONSULTANT FOR FINAL MOUNTING/INSTALLATION METHODS.
2. MOUNTING METHOD IS DETERMINED BY WALL SURFACE. SEE "TYPICAL MOUNTING SURFACES" DETAIL.
3. FIELD VERIFICATION: FABRICATOR TO FIELD VERIFY MOUNTING LOCATIONS PRIOR TO INSTALLATION.
4. MESSAGES: MESSAGES SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY, NOT FOR CONSTRUCTION.
5. VENDOR TO PROVIDE ALL MECHANICAL AND ELECTRICAL COMPONENTS TO ACHIEVE SIGN'S INTENDED OPERATIONAL PERFORMANCE.

[illegible]

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.



ALTERNATE LAYOUT FOR ACCESSIBLE STALL

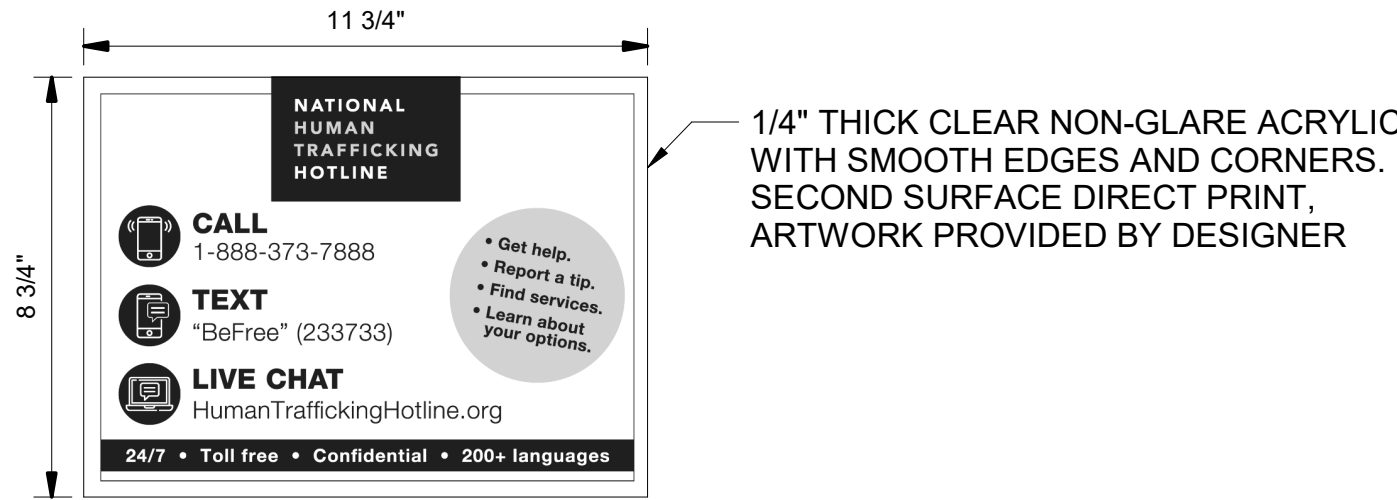


NOTES

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- MOUNTING METHOD IS DETERMINED BY WALL SURFACE. SEE "TYPICAL MOUNTING SURFACES" DETAIL.
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1 RR8.4 ELEVATION
SCALE: 3" = 1'-0"

2 RR8.5N ELEVATION
SCALE: 3" = 1'-0"



3 RR13 ELEVATION
SCALE: 3" = 1'-0"

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

NO.	DATE	BY	REVISIONS	APP.

	
	
2026D012 DESIGN NUMBER	103101 PROJECT NUMBER

	PORTLAND INTERNATIONAL AIRPORT	SUBMITTED BY	BRIAN FRANCIS	
	CONCOURSE D ALL-USER RESTROOM	DESIGNED BY	A. COOK	
		DRAWN BY	M. PHILLIPS	
		CHECKED BY	J. ROOT	
	DETAILS - SIGN TYPE RR8.4, RR8.5N, RR13	DATE	JULY 2026	
		SHEET NO.	74	TYPE
DRAWING NO.		PDX 2026-516	DISC. SHT. NO.	G2.03

[illegible][illegible]