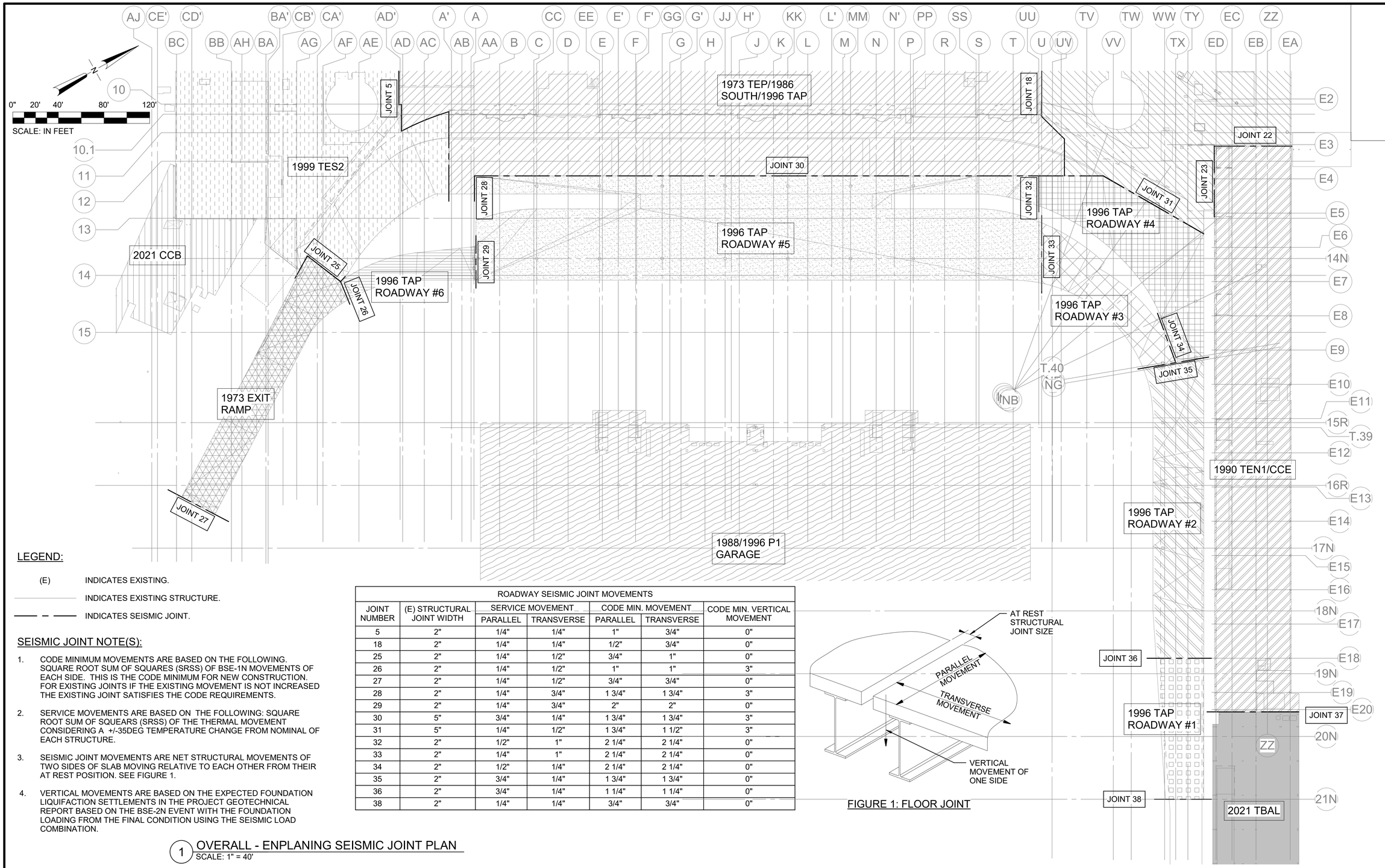
CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.

light gray | dark gray | black



LEGEND:

(E) INDICATES EXISTING.

INDICATES EXISTING STRUCTURE.

INDICATES SEISMIC JOINT.

SEISMIC JOINT NOTE(S):

1. CODE MINIMUM MOVEMENTS ARE BASED ON THE FOLLOWING. SQUARE ROOT SUM OF SQUARES (SRSS) OF BSE-1N MOVEMENTS OF EACH SIDE. THIS IS THE CODE MINIMUM FOR NEW CONSTRUCTION. FOR EXISTING JOINTS IF THE EXISTING MOVEMENT IS NOT INCREASED THE EXISTING JOINT SATISFIES THE CODE REQUIREMENTS.
2. SERVICE MOVEMENTS ARE BASED ON THE FOLLOWING: SQUARE ROOT SUM OF SQUEARS (SRSS) OF THE THERMAL MOVEMENT CONSIDERING A +/-35DEG TEMPERATURE CHANGE FROM NOMINAL OF EACH STRUCTURE.
3. SEISMIC JOINT MOVEMENTS ARE NET STRUCTURAL MOVEMENTS OF TWO SIDES OF SLAB MOVING RELATIVE TO EACH OTHER FROM THEIR AT REST POSITION. SEE FIGURE 1.
4. VERTICAL MOVEMENTS ARE BASED ON THE EXPECTED FOUNDATION LIQUIFACTION SETTLEMENTS IN THE PROJECT GEOTECHNICAL REPORT BASED ON THE BSE-2N EVENT WITH THE FOUNDATION LOADING FROM THE FINAL CONDITION USING THE SEISMIC LOAD COMBINATION.

ROADWAY SEISMIC JOINT MOVEMENTS

JOINT NUMBER	(E) STRUCTURAL JOINT WIDTH	SERVICE MOVEMENT		CODE MIN. MOVEMENT		CODE MIN. VERTICAL MOVEMENT
		PARALLEL	TRANSVERSE	PARALLEL	TRANSVERSE	
5	2"	1/4"	1/4"	1"	3/4"	0"
18	2"	1/4"	1/4"	1/2"	3/4"	0"
25	2"	1/4"	1/2"	3/4"	1"	0"
26	2"	1/4"	1/2"	1"	1"	3"
27	2"	1/4"	1/2"	3/4"	3/4"	0"
28	2"	1/4"	3/4"	1 3/4"	1 3/4"	3"
29	2"	1/4"	3/4"	2"	2"	0"
30	5"	3/4"	1/4"	1 3/4"	1 3/4"	3"
31	5"	1/4"	1/2"	1 3/4"	1 1/2"	3"
32	2"	1/2"	1"	2 1/4"	2 1/4"	0"
33	2"	1/4"	1"	2 1/4"	2 1/4"	0"
34	2"	1/2"	1/4"	2 1/4"	2 1/4"	0"
35	2"	3/4"	1/4"	1 3/4"	1 3/4"	0"
36	2"	3/4"	1/4"	1 1/4"	1 1/4"	0"
38	2"	1/4"	1/4"	3/4"	3/4"	0"

FIGURE 1: FLOOR JOINT

1 OVERALL - ENPLANING SEISMIC JOINT PLAN
SCALE: 1" = 40'

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

NO.	DATE	BY	REVISIONS	APP

NO.	DATE	BY	REVISIONS	APP

Port of Portland

mwa architects
501 SE 14TH AVE., SUITE 103
PORTLAND, OR 97214
P 503.973.5151 - F 503.973.5060

kpff
111 SW Fifth Ave., Suite 2600
Portland, OR 97204
O 503.227.3251 - F 503.227.7980

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102970 PROJECT NUMBER

STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 19608 DIGITALLY SIGNED OREGON NOV. 14, 2006 CRAIG J. TOTTEN EXPIRES 06-30-26

PORTLAND INTERNATIONAL AIRPORT

TERMINAL UPPER ROADWAY JOINT REPLACEMENT

SEISMIC JOINT PLAN

SUBMITTED BY	JAY OSTLUND	
DESIGN BY	S. THOMAS	
DRAWN BY	J. DE BOER	
CHECKED BY	C. TOTTEN	
DATE	OCTOBER 2026	
SHEET NO.	19	TYPE: CD
DRAWING NO.	PDX 2026-514	DISC. SHT. NO. S0.050