© Copyright protected. See Design Agreement. For use on this project only. Unauthorized reproduction of any part of this material is prohibited.

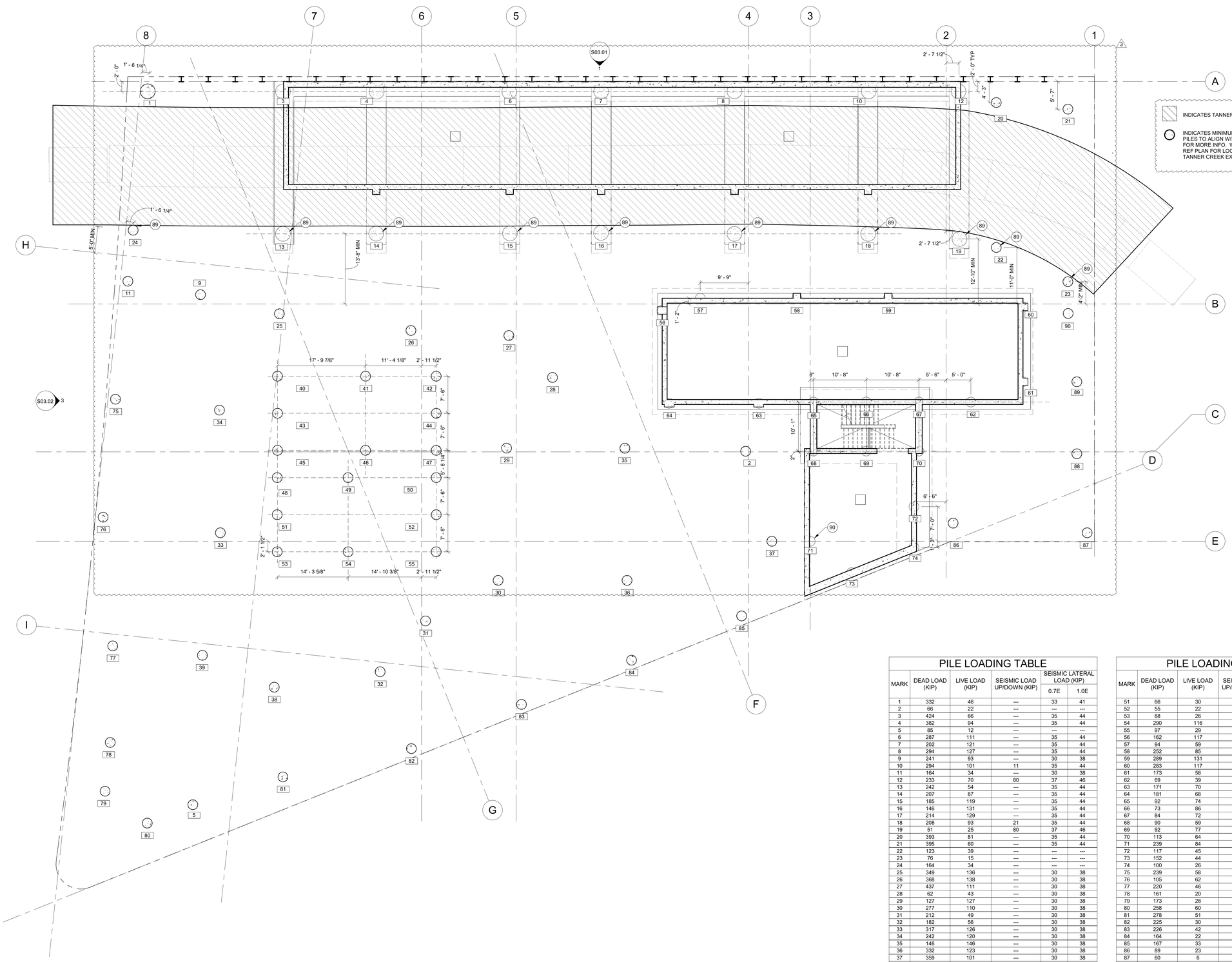
KEYED NOTES

89 CENTER PILE AND BEAM IN EAST-WEST DIRECTION UNDER CONCRETE COLUMN ABOVE. PLACE PILE TIGHT TO TANNER CREEK EXCLUSION ZONE, SEE CIVIL DRAWINGS. CONTACT EOR IF PILES NEED TO BE LOCATED LESS THAN NORTH-SOUTH DIMENSION SHOWN ON DRAWINGS.

90 PILE LOCATED AT GRID INTERSECTION.

INDICATES TANNER CREEK EXCLUSION ZONE, SEE CIVIL DRAWINGS

INDICATES MINIMUM 24" DIA DRILLED SHAFTS **NOT BY FE** PILES TO ALIGN WITH CENTER LINE OF COLUMNS ABOVE, SEE ARCH FOR MORE INFO. WHERE PILES DO NOT ALIGN UNDER COLUMN, REF PLAN FOR LOCATION. ALL PILES ARE TO BE LOCATED OUT OF TANNER CREEK EXCLUSION ZONE



1 S00.08 PILE LOADING PLAN
1/8" = 1'-0"

PILE LOADING TABLE

MARK	DEAD LOAD (KIP)	LIVE LOAD (KIP)	SEISMIC LOAD UP/DOWN (KIP)	SEISMIC LATERAL LOAD (KIP)	
				0.7E	1.0E
1	332	46	---	33	41
2	66	22	---	---	---
3	424	66	---	35	44
4	382	94	---	35	44
5	85	12	---	---	---
6	287	111	---	35	44
7	202	121	---	35	44
8	294	127	---	35	44
9	241	93	---	30	38
10	294	101	11	35	44
11	164	34	---	30	38
12	233	70	80	37	46
13	242	54	---	35	44
14	207	87	---	35	44
15	185	119	---	35	44
16	146	131	---	35	44
17	214	129	---	35	44
18	208	93	21	35	44
19	51	25	80	37	46
20	393	81	---	35	44
21	395	60	---	35	44
22	123	39	---	---	---
23	76	15	---	---	---
24	164	34	---	---	---
25	349	136	---	30	38
26	368	138	---	30	38
27	437	111	---	30	38
28	62	43	---	30	38
29	127	127	---	30	38
30	277	110	---	30	38
31	212	49	---	30	38
32	182	56	---	30	38
33	317	126	---	30	38
34	242	120	---	30	38
35	146	146	---	30	38
36	332	123	---	30	38
37	359	101	---	30	38
38	224	84	---	30	38
39	260	87	---	30	38
40	99	10	142	30	38
41	224	48	237	30	38
42	89	11	173	30	38
43	67	10	24	---	---
44	72	15	43	---	---
45	61	14	56	30	38
46	185	68	48	30	38
47	68	17	77	30	38
48	63	30	122	30	38
49	175	101	29	30	38
50	50	19	102	30	38

PILE LOADING TABLE

MARK	DEAD LOAD (KIP)	LIVE LOAD (KIP)	SEISMIC LOAD UP/DOWN (KIP)	SEISMIC LATERAL LOAD (KIP)	
				0.7E	1.0E
51	66	30	171	---	---
52	55	22	119	---	---
53	88	26	233	30	38
54	290	116	162	30	38
55	97	29	106	30	38
56	162	117	---	19	24
57	94	59	---	21	26
58	252	85	---	24	30
59	289	131	---	27	34
60	283	117	---	30	38
61	173	58	18	30	38
62	69	39	30	28	35
63	171	70	60	22	28
64	181	68	7	19	24
65	92	74	108	23	29
66	73	86	75	25	31
67	84	72	64	28	35
68	90	59	71	28	35
69	92	77	35	28	35
70	113	64	110	28	35
71	239	84	21	27	34
72	117	45	41	27	34
73	152	44	13	27	34
74	100	26	62	27	34
75	239	58	---	---	---
76	105	62	---	---	---
77	220	46	---	---	---
78	161	20	---	---	---
79	173	28	---	---	---
80	258	60	---	---	---
81	278	51	---	---	---
82	225	30	---	---	---
83	226	42	---	30	38
84	164	22	---	30	38
85	167	33	---	30	38
86	89	23	---	---	---
87	60	6	---	---	---
88	144	31	---	---	---
89	103	12	---	---	---
90	144	21	---	---	---

PILE LOADING TABLE NOTES:

1. LOADS SHOWN ARE UNFACTORED UNO
2. SEISMIC LOADS SHOWN DO NOT INCLUDE DEAD OR LIVE LOADS AND ACT UPWARDS AND DOWNWARDS
3. ALL PILES ARE TO BE DESIGNED FOR MIN 30 KIP LATERAL LOAD (0.7E)

City Of Portland

REVIEWED FOR CODE COMPLIANCE

Date: 02/11/20

Project: 19-105743-REV-01-CO

SERA

ARCHITECTURE
URBAN DESIGN + PLANNING
INTERIOR DESIGN

PORTLAND OREGON 97209
P: 503.445.7372
F: 503.445.7395
SERADESIGN.COM

REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 51411PE OREGON SEPT. 22, 1989 TIMOTHY T. TERCH EXPIRES 6-30-20

FROELICH
ENGINEERS
17700 SW Upper Boones Ferry Rd. Suite #115
Portland, Oregon 97223
503.624.7005
froelich-engineers.com
18-T066

18S
GREYSTAR
1715 SW Salmon St
Portland, OR 97205

REVISIONS

1	ADDENDUM 1	5/3/2019
A	PERMIT RESPONSE 1	6/03/2019
B	PERMIT RESPONSE 2	7/26/2019
C	PERMIT RESPONSE 3	9/18/2019
3	AB 01	9/27/2019

CHECKED BY: Checker
ISSUE DATE: 27 SEP 2019
PROJECT NO: 1803002

PILE LOADING PLAN

S00.08

Construction Set