

# FIRST FLOOR LAYOUT

— precast beam.

→ hollowcore slab

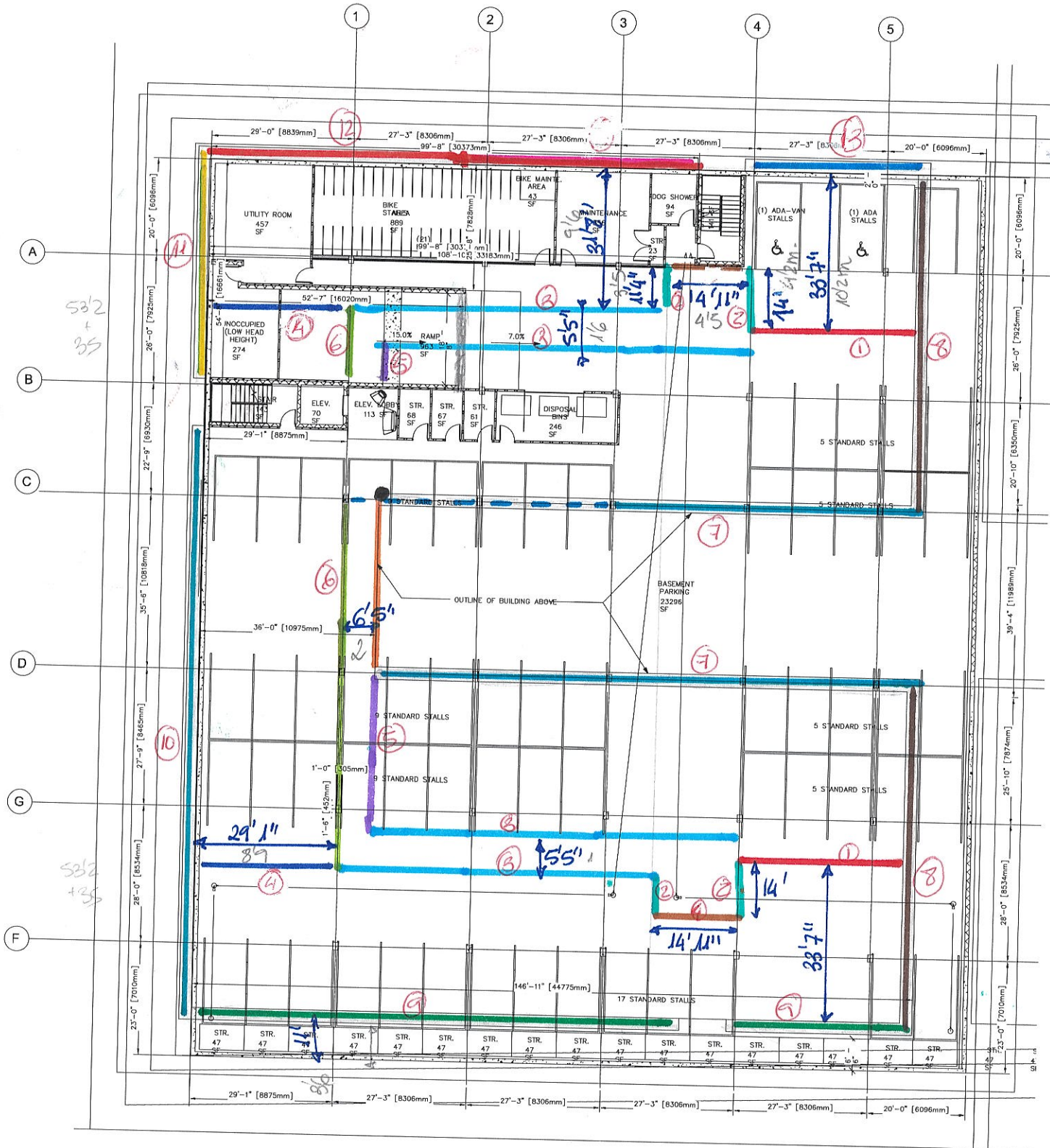


— 1'2" patio & str.

± 0'0" first floor level

10'0" 2nd floor

# DISTRIBUTION OF LOADS FROM THE WOOD FRAMING. (values in table 1)





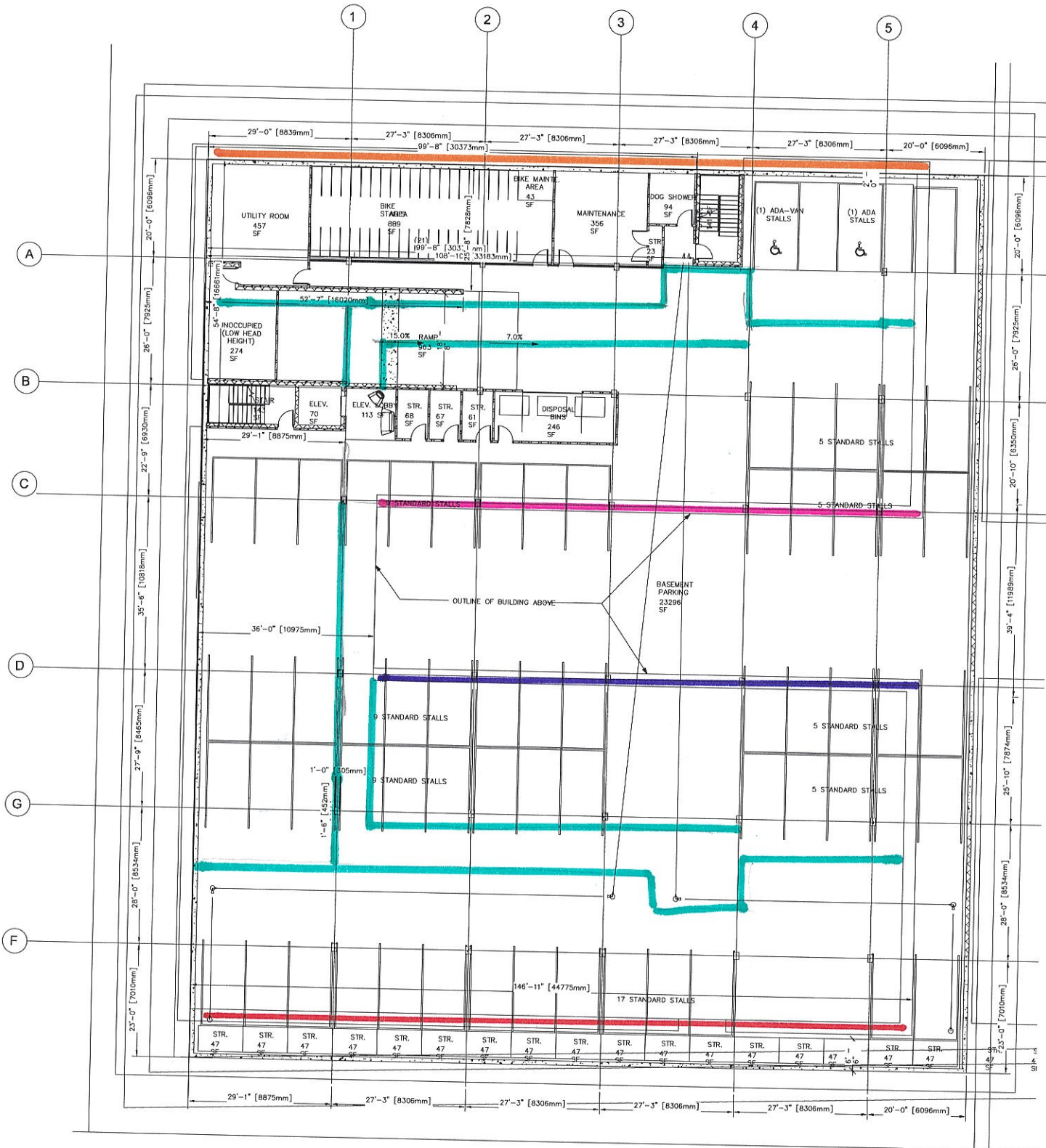
# Ox Residences

Table 1. Dead, live and snow loads on 1<sup>st</sup> floor.

Line	Dead Load kN/m	Live Load kN/m	Snow Load kN/m	Dead Load lb/in	Live Load lb/in	Snow Load lb/in
1	22.1	48.84	29.3	126.19	278.88	167.31
2	12.12	10.77	6.46	69.21	61.5	36.89
3	16.33	26.81	16.09	93.25	153.09	91.88
4	15.32	22.98	13.79	87.48	131.22	78.74
5	10.55	4.79	2.87	60.24	27.35	16.39
6	16.14	26.09	15.66	92.16	148.98	89.42
7	23.05	24.42	14.65	131.62	139.44	83.65
8	7.35			41.97	0	0
9	25.31	33.04	19.82	144.52	188.66	113.18
10	22.23	21.31	12.78	126.94	121.68	72.98
11	7.35			41.97		
12	22.67	22.98	13.79	129.45	131.22	78.74
13	23.05	24.42	14.65	131.62	139.44	83.65

- 33 lb/in ↑
- 155 lb/in ↑
- 134 lb/in ↓
- 199 lb/in ↑
- 90 lb/in ↓

WOOD W-E



WOOD Direction -

WIND N-S

330 lb/in ↑  
107 lb/in ↑  
100 lb/in ↓

WIND  
DIRECTION

